

Article

Divine Singularity, Its Manifestation & Humanity (Part III)

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Abstract

Singularity is the controlling factor & its cosmic aberrations (universe) its controlled manifestations. The God principles (sanathana principles) function in micro & also in macro levels. Laws of Nature are the laws of singularity, the non-contingent source, the divine laws that govern the universal orbits with precision, the precise laws of the cosmos which the scientists measure with accuracy, the precise parameters of the genotype cosmic seed of the universe. Laws of the universe are the Laws of the aberrations of singularity, the laws of the phenotype tree. Contingent universe in growth/decay cycles projects the panorama & enables us to savor the same “as many”, “unity in diversity”, by “cause & effect” actions. Evolution is all about urge of the cosmic desire, the concentrate of the manifesting vitality at the head of singularity, releasing a portion of its coherent mass as its aberrations, as mass/vitality unions with the big bang for exploring new horizons in the universe. The released masses regain progressively the dislodged coherence, the singularity’s base virtue, the self-healing creativity in dispassion, during the evolution progress. That means this basic creative virtue in the masses become gradually coherent & hence the masses are drawn towards singularity by natural attraction at its base as the evolution progresses, while the depleting manifesting vitality eventually converges back again towards its head. This natural phenomenon culminates in big crunch leading to big bounce, the start of a new cycle.

Part III of this series of articles contains the following: 13. Destiny; 14. Society; 15. Dharma; 16. Validation from Modern Science; 17. Conclusions; 18. Summary: & References.

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

13. Destiny

- a) “The oscillating universe” functioning with a precise routine shows that the cosmic forces exercise predetermined overall controls over the transformations & transmigrations of the existing matter alone without any fresh matter/energy, inputs during one cosmic cycle.
- b) The energy dissipations are meant to take place as per swabhava, cosmic nature, & Swadharma, cosmic karma, *i.e.*, as that of self-evolved entities belonging to one primordial form & not as those of diverse origin.
- c) Nothing in the universe is non-contingent & all are conditioned to exist by the necessity to carry out unified laws. Harmony can thus prevail where one entity exists as a complementary to the other & in compatibility.

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Conditions to be fulfilled for sustaining cosmic order:

- a. All matters exist in growth/decay cycles & all transformations take place whenever mass decays.
- b. All transformations have to take place only within the totality of all that is existing.
- c. All matters have to exist as complementary pairs & in compatibility.
- d. All the over excited & under excited vibrations of matters have to be in overall balance.
- e. All the egoistic (selfish) energy rhythms disturbing universal harmony have to be eliminated.

These nature's built in safeguards sustain destiny, the "cause & effect" phenomenon,

Coherence in Harmony empowers free will to succeed in Co-creation.

The destiny thus applies to the cosmic forces that function in destined cycles emanating with a strong energy/mass affinity at evolution stage that weaken progressively towards the end at the involution stage, while at the same time sustaining the universal rhythm all through the cycle. It also applies to the primordial desire of "one" supra human form that savors the new horizons in the universe as "many", as constituents of the one & the only source, through the cosmic data encodings in all its aberrations. As long all these released matter adhere to their respective (destined) swabhava and swadharma, immanent aspects acquired from the source at inception, they are naturally destined to realize salvation i.e. to flourish devoid of sins, to savor earthly bliss as part of divinity, during their destined life cycles till pralaya, involution. That is all what destiny is about.

However, sentient beings are masters of their own destiny in one sense, that they are endowed with self-referral energy transfer capabilities i.e. to engage in autonomous energy transfers akin to that of the primordial transfer. This aspect empowers them to attain invincibility to even become co-creators, when in resonance with the cosmic rhythm. If otherwise they are doomed to degradation choosing to follow the egocentric option.

Even though, the human & other masses are destined to sport the tendencies & attitudes of a particular part of the supra human form, i.e. their origin from the inception of big bang, the coherence in the will power of the beings empowers them to enliven even the whole of the cosmic genome of the supra human form, dna activation, during their karmic self-referral energy transfers. As such destiny, fate etc. finds no place in the zone of maya, turbulent universe.

That means, even though an overall stability & universal rhythm is maintained by the dispassionate primordial cycle as per cosmic destiny, multifarious egoistic/selfish activities by entities big & small, especially by the human beings having autonomous capabilities, take place in a random fashion disturbing the environment. In such a scenario local events that happen in the universe from time to time are mostly unpredictable & hence follow no destined course.

As such, destiny in the context of local occurrences, events, actions & reactions namely predetermination by destiny in the actions & counteractions of various entities, humans etc,

does not have a place in the scheme of universal make-up, since the intent of the divinity is to explore newer & newer horizons, on an ongoing basis & not to tread & savor a predetermined monotony. Moreover all the masses, sentient & non-sentient, have cosmic potentials engrained within, that can make them even invincible like that of the source itself to become co-creators. The Absolute guides the destiny of the universal rhythm & its harmony, as an eternal “Silent Witness” through the primordial cosmic cycle only & not through predetermined individual actions & counter actions namely the destiny of entities, sentient beings etc..

In a true sense therefore, the destiny refers to the harmonious eternity of the cosmic cyclic functions namely the projection, preservation & dissolution processes & the predetermination of the source of origin of beings at inception as various parts of one supra human form namely the varna vibrations through which they were to undertake the karmic explorations as the representation of divinity.

As such one is naturally destined to realize salvation adhering to his swabhava & swadharma engrained in him at inception, coexistence. On the other hand if one chooses to explore on his own through his autonomous energy transfers, he can change the course of his evolution by his free will, either towards bliss or frustration.

Destiny nurtures “coexistence” & “co creation”, but frustrates “ego”

14. Society

“Desire for self-expression as many” urged the Absolute to project itself as non-sentient & sentient matter in the universe, with human beings as the closest divine representation evolving newer & newer horizons for common delight. If on the other hand the human desire becomes the one for self-fulfillment, social harmony gets disrupted.

Social responsibility thus implies a natural commitment to coexist while maintaining environmental harmony through compassion/compatibility, *i.e.*, to nurture the natural –innate” aptitude & potency” of self as also of all other individuals. Immense possibilities to upgrade human potentials from compassion to dispassion in coherence and permeate the same even in a co-creation mode with the source itself are woven into the evolution process.

The two main concerns for an average ego driven man, are looking good & fear of domination.

With his innate nature for replication till energy, desire, exhaustion, a normal being driven by desire to satisfy his ego gratification, clings to external identities for sensory fulfillments, looking good syndrome. At the same time he is driven with anxiety, in the turbulent universe, a competitive environment, for sustaining this “good” image without hindrance. As such, he ends up with the “fear of domination” syndrome

Whereas an ideal human being with pure satvic guna vibrations, devoid of ego– blending with the coherence of the universal rhythm & nurturing nature by instinct, savors the delights of the universal panorama in relaxation *i.e.* without such concerns.

For a common social order in an environment of ego, legal codes are needed to take care of these concerns.

- a. In the ego state, where these codes are “self” oriented, “survival of the fittest” theory holds good.
- b. In an ethical state, different laws exist to meet different contingencies offering rich panorama.
- c. In the moral state where the people are oriented, all the laws can be applied uniformly to the acceptance of one & all. Here the creation potential is high in an environment of orientation but the panorama offered is limited.

The purpose of evolution is to establish a moral state that provides optimum panorama.

Intuitively Ethics refers to the value a person puts on reality over transient happiness or to the amount of energy devoted to rhythmic evolution, creative action, versus non rhythmic perversions& futile diversions.

Ethical codes aimed at harmony enable us to be in creative activity & realize contentment, desire fulfillment, salvation, bliss, whereas moral codes arrived through coherence in intelligence, attributes of the vision,interpretations of “rights & wrongs” (normally shunned by ethics because of implied coercion), help us to maximize creativity through coherence in harmony.

It is left to the wisdom of the collective consciousness to intuitively review periodically the ethical codes in dispassion, keeping in mind the unlimited human possibilities/chaos that can be brought out of ego & arrive at an optimum mix of legal, ethical& moral codes.

That means there is an implied need for different laws to meet different ends.

Happiness and creativity are not mutually exclusive, but neither are they the same thing. We maximize happiness not by pursuing it with our focus on it but by dwelling in the realm of its possibility, having positive orientations & vibrations in relaxation, freedom, thereby maximizing the chances of our getting into the invincible resonance with the universal rhythm.

HUMAN ATTITUDE & ORIENTATION

Ideally, “nature” in man evolves by itself in replication. Left unhindered his nature projects & dissolves itself repeatedly in eternal cycles.

“Nurture”, (environment), resultant of all the energy transfers in the vicinity, has its energy transforming influence on individual “nature” & vice versa.

Normally, “nurture” being a derived function & a more dominant force, “nature” of the individuals has to be under proper care, free from non-interfering transfers of the environment, for optimum survival. But “nature” of individual vary from shade to shade as per “many”

aspect of cosmic desire for providing the panorama, implying the need for assembly of compatible “innate” natures, jathi, groups, conducive environments, that will take care of an individual “nature” whose primary concern is “looking good” & “fear of domination”.

Interfering energy transfers often can cause disharmony in the flourishing of individual “nature”. Being self-conscious in nature, one cannot accept any form of restriction to his “nature” & this leads to frustration & its degradation contributing to disruption of environment itself

Compatible “nurtures” ensures the harmony of the environment due to their non-interfering energy transfers & also because of the mutually supporting self-referral vibrations.

Caste, jathi

“We are in existence as a consequence of the Nature’s “desire for self-existence as many”. Everyone is a representation of divinity projecting & savoring the panorama in diversity & in harmony. Human nature evolves by replicating itself till the end of evolution cycle through transmigration that means carrying forward of the innate traits of a being to its next birth. Transmigration is often mistaken as heredity transfer of beings by gender union. Heredity means passing over of traits to posterity through reproduction cells of gender unions. To some extent that may be true as some traits can be passed on by their production cells that are used as the medium by the astral masses in transmigration. But in the real sense the transmigrating beings, astral masses, only choose their complimentary traits from the gender union cells that merely act as a reservoir of human traits, holistic consciousness.

A being nurtures, *i.e.*, either upgrades or degrades, through its self-will or is nurtured by the surrounding influences on its will power. This activity depends on the strength of its will power.

Nurtured properly, that means in a compatible social/spiritual environment adhering to the natural rhythm namely in group with similar innate imprints/tendencies, Caste, jathi, intrinsic harmony & happiness can prevail in both the being & the environment. This is the Nature’s prescription for social harmony where replication is the natural operating principle. Other solutions will hinder “nature’s rhythm one way or the other, mainly due to elements of coercion imposed on individual’s “nature”. Natural & voluntary acceptance of life style, practices, codes *etc* by beings ensures overall happiness.

Stronger the will power, lesser is the dependence on jathi/group *etc.* for emotional support.

Free will of the individuals can modify the natural imprints/tendencies during the replication/transformation/transmigration processes & hence caste/jathi/group/ are not one time classifications. Counselors with cosmic intuitive vision can identify the “natures” in individuals in their self-realization exercise & gurus can act as catalysts in empowering their will power in their self-actualization exercise.

A society has to use the services of counselors & gurus for its periodic evaluation & progress.

A dispassionate, spiritual, outlook by all beings will reveal the real meaning of nature, nurture, caste, religion, morals, ethics, dharma sahastra while striving for social harmony.

The universal rhythm, with its naturally ordained balancing functions in the energy transfer processes, ensures only a basic level of harmony in the society. So, to realize an optimum level of enlivenment, to eliminate non interfering & hence nonproductive energy transfers altogether, all the energy transfers in the universe, human transfers representing diversity of the divinity, have to be in tune with the fundamental universal rhythm at the same time, aided by dedicated counselors spread around uniformly in the environment acting as catalysts & also through visionaries who radiate self-healing vibrations with coherent intelligence tempered by spiritual harmony. This leads to the attainment of all around invincibility, tejas, –aura, reflected by the glow in the masses. This represents a fast track route in realizing an all-round glow, the ultimate human possibility, that means orientation of all the secondary transfers in non-interfering radial mode & also in tune with Universal rhythm, i.e. – discarding the feelings from thoughts from compassion mode to dispassion, self-realization of the environment,

Spiritual outlook in the society is the only answer to the riddles posed by the nature's diversity in all spheres –especially in “human feelings”. Rationalism cannot convincingly provide the answers where “feelings” are involved.

Ironically, spirituality is often misunderstood to permeate reflections of blind religious beliefs, mystical faiths/delusions of varying environmental groups who claim to have savored & visualized the primordial source through self-realization & so is not accepted by rationalism for lack of scientific proof, often considered as superstitions.

Rationalism deciphers analyzes & discriminates in the back drop of proven scientific research. (But unfortunately its knowledge is about the revealed mass in the universe only i.e. $1/4^{\text{th}}$ of the total mass of the absolute only. Knowledge of the remaining $3/4^{\text{th}}$ unreleased dark matter & also of consciousness, the enlivening force in the universe, the basis for existence of life in matter itself, is still elusive to science). So much so rationalism is unable to grasp the cosmic intelligence behind the universal order, with the known cosmic forces the planets of the universe will fly out of their orbits. Still on the basis of proven knowledge on a portion of total matter & energy alone, conclusions are arrived on “rights & wrongs” & on that basis rationalism prescribes moral codes, secularism, democracy *etc* as, mandates, to be followed by a society for optimizing creative actions, maximizing production.

Considering the fact that human beings are ethical entities with consciousness, i.e. each having innate feelings of his own, natural acceptance of these intelligence based mandates can take place only after intuitive satisfaction. So much so these can be recommendatory only.

A rule, a mandate, implies coercion. Only a spiritual environment that nurtures voluntary self-realization is conducive to their natural acceptance & adherence.

The end products of moral (rational) & ethical (spiritual) approaches, however tend to be the one & the same since the former is based on the coherence of vision & the latter the harmony of self-realization

- a. The moral codes based on “rights & wrongs”, tend to be same as ethical codes, on self-realization
- b. secularism becomes the same as un differentiated oneness from the spiritual context,
- c. democracy rule of majority in maturity, in a spiritual sense is the same as a rule by the emotional consensus.

"The intuitive mind is a sacred gift and the rational mind is a faithful servant. We have created a society that honors the servant and has forgotten the gift." –Einstein

West worshipped matter & has reaped bountiful out of material knowledge. In the backdrop of spirituality however, these efforts would have contributed much more immensely by imparting Coherence in Harmony in all human activities. Knowledge is total when it embraces spiritual path – Aurobindo.

Faith (delusion) & reasoning (science) are not enemies. In fact the opposite is true. One is absolutely necessary for the other to exist. All closed systems (theories validated by proofs) depend on something from outside, a conscious being, to reveal their meaning. Science has to still come to terms with that being.

A proper spiritual outlook, an understanding of the presence of divinity in all aspects of the universe, will reinforce the fact that religions act as different aids to help us visualize the existence of the eternal aspects of the one & only primordial source.

Pondering over this, one would realize that a human being merely tends to replicate his own innate nature for sustaining the diversity in the panorama.

Existing in a society in harmony, involves primarily an understanding of one’s own nature & when this effort springs out of a process of self-realization only, human being continues to rest in bliss. Any environmental or ego pressure on one’s nature results in its frustration & degradation & this causes difficulties in sustaining harmony of self & also the environment.

Society may govern the individuals by laws based on “rights & wrongs”, but with a tinge of coercion only & when it nurtures “self-realization” in individuals, it establishes “Ram Rajya”.

Then what lies ahead, that have to be cleared from the path of rationalism?

Mystery about the dark matter of universe, 3/4th of the unrevealed source.

Intricacies that surround the DNA double helix which originated from the pure matter, the source. By evolving a language of the DNA, we may even be able to effect DNA activation—enliven even the cosmic genome on earth. We know its alphabets (A, T, C, G) already.

Rational solutions for these can be evolved in an environment of spirituality with ease.

But again the pit falls to guard against on the road to spiritualism are,

Falsely adoring the human accomplishments with human love, as divine.

Too much indifference by spiritualists to legitimate social environmental calls while seeking the goals for self-realization, bliss.

COMMUNITY

- IQ-intelligence- is a reflection of coherence in individual vision, creative evolution,
- EQ-emotion- is a reflection of compassion for environmental harmony, coexistence,
- SQ-spiritual, is a reflection of sensing the presence of divinity in nature, self-realization,
- Ironically, IQ is held in high esteem next to divinity by rationalists. In the context of sustaining an everlasting harmony in a society IQ, EQ & SQ all, become equally important.
- Transformation & orientation of environment based on equitable IQ, EQ & SQ only, will ensure optimum human energy transfers in. The social need of the hour is to evolve those equitable levels in IQ EQ & SQ in human efforts, for the benefit of the community.

The following social composition is the basic requisite, based on social energy research on the energy distribution in the universe for nurturing a desire based progress:

Nominal distribution for sustaining overall harmony;

5% gurus, Counselors, who spread knowledge;

1% yogis, meditators, who permeate harmony as cosmic energy controllers; and

Assembly of Square root of 1% visionaries, co-creators who transcend the shield of Maya to be in resonance with the Absolute, can even enliven the cosmic energy, to bring bliss “here & now”.

Maharishi veda vision:

“swabhava” & “swadharma” in “dispassion” is the natural means to “bliss”, salvation, Collective consciousness, resultant of all of the consciousness, acts as a catalyst & can at best bring the individual in correct orientation & unison with the environment. Only the self-initiated orientation in unison with the universal rhythm, self-realization, can help one to transcend the universe on to the radiance of pure matter, Liberation, Para Mukthi, or bring the descent of the invincible radiations down to the earth, co-creation, jeevan mukthi,

A spiritually oriented society only, as compared to a rational one, can sustain emotional harmony in individuals in an environment full of dynamic uncertainties posed by the cause& effect phenomenon, as also by the autonomous ego vibrations of beings.

15. Dharma

Laws of Nature: The autonomous, invincible, divine laws that govern the universal orbits with precision, the laws of the cosmic forces which the scientists measure with accuracy, the laws of singularity, the non-contingent source, the precise parameters of the genotype cosmic seed of the universe.

Laws of the Universe: Laws of the attributes of the aberrations of singularity, one entity savoring the panorama as “many”, laws of the phenotype tree of universe, diversity growing out of unity, in growth/decay cycles, laws of the “cause & effect” phenomenon that sustains harmony, laws of “contingent universe” converging back to the source:

- God principles (sanathana dharma), micro principles, operate in macro levels.
- The Absolute (singularity in dispassion) is coherent. It manifests as its aberrations.
- The cosmic forces radiate its vitality in cycles in its space around, the universe.
- All entities savor the vitality “as many” as the aberrations of one singularity.
- Karmic cycles of the aberrations are self-healed by the coherence of their will power.
- Matter exists & is active only as a mass/energy union & as a compatible complementary mass/energy pair.
- Matter has to exist in compatible environment to sustain harmony.
- Matter deteriorates due to interferences by other matters/beings. Its decay occurs on the dissociation of vitality. Vitality of one entity has influence over the others.
- Matter transforms when its mass deteriorates, the basic building blocks being same in all its transformations.
- Cosmic desire perpetuates transformations in matter until desire/energy exhaustion.
- Coherence is the underlying principle in self-actualization/manifestation/creation.
- Desire/energy progressively reduces from start to finish in a cycle.
- Beings perpetuate transmigration through reproduction cells of gender unions & as growth/decay cycles.
- All matters are engrained with invincibility. Coherence/will power empowers them.
- Ego acts against universal rhythm.

Dharma sashtras, spiritual codes of practice:

A society comprises people with multifarious natures, desires etc. & hence there is a need to respond to the situations posed by these varieties for sustaining overall harmony.

Administration of social justice involves in the establishment of the nature of free will that has contributed to the incident. But free will is dependent on factors such as natural tendencies, intelligence mind etc. Its working is synonymous with that of quantum mechanical principles, that means individual acts are subject to uncertainty principle but always fall into a trend which can alone be evaluated. Without lying to ourselves about the ultimate origins of human behavior we have to evolve a justice system that can act as a natural deterrent against the onslaughts of disruptive forces. So a total knowledge of nature’s working is a prerequisite for a compatible justice system. Dharma sashtras strive to achieve social harmony on the basis of total knowledge, the knowledge of creativity, creation & that of the creator.

Dharma shastras, envisioned by the visionaries, based on ethos, empathy, individual, environmental & karmic considerations are ideal for the contingent universe, existing under diverse dynamism but governed by unified laws of nature.

Moral codes based on coherence of intelligence arrive at rights & wrongs & their mandates

will ideally be accepted by a society functioning in stable & predictable environment, a moral state which can upgrade its stature to that of a versatile, non-contingent one. Their drawbacks of course are the inbuilt elements of coercion, usually shunned by ethics.

The more the coherence in the collective intelligence of the ethical state, blissful state, the closer it gets to the moral state, blissfully productive state,

Dharma Sashtras:

A. INTENT

“optimum” realization of bliss from energy transfers, by “one & all”, “here & now”.

B. OBJECTIVES

1. Assuring individual bliss, no frustration, is the goal of society.
2. The highest form of society is the one that makes it easy to attain this in perfection.
3. Society must acknowledge & accept the class of individuals, who believe and spend their life in such a spiritual orientation, as the highest in social hierarchy.

C. GOALS: INDIVIDUAL

- a. Realize swabhava & perform swadharma, salvation, harmony.
- b. Realize & nurture others’ spiritual potentials, compassion & empathy, bliss.
- c. Realize the divine nature of the self, dispassion, co-creation.

D. GUIDELINES

1. Only actions or persons that increase nature’s creativity are ethical.
2. Any action or person that decreases creativity is unethical.
3. Unethical means can never achieve ethical ends.
4. Means which are not ends are never ethical.
5. It is unethical to tolerate non-creation, disruption.
6. It is unethical to be certain. It represents a closed mind.
7. It is ethical to have open mind.
8. Inaction is unethical.

E. SCOPE

The coherence of singularity manifests as universal rhythm & its aberrations in the universe for savoring the panorama through energy vibrations. The vitality of cosmic coherence ensures the stable functioning of the universal rhythm by making the energy vibrations of the aberrations to follow the rhythm as its harmonics. These harmonics contribute to the diversity in panorama that means all the entities follow their respective swabhava & swadharma with I-ness of beings acting as identity attributes in the panorama. As long as these varieties do not interfere with one another, harmony prevails & the universal rhythm operates in orderly cycles as intended.

The problem arises when the I-ness becomes self-centered namely ego, acting against the universal rhythm.

POINT TO PONDER: While we appreciate that it enlarges the range of universal panorama, it is worthwhile to debate as to “why” & “how far” should a society tolerate “Ego”.

Unless the shastras, ethical codes, strive to arrest the decay due to the disintegrating forces namely, “pride, selfishness, evil brood of ego” in the society, the doom is certain. But equally certain is it, that a spiritual way of life, a life led with a natural relevance to the time & its environment, can & shall resolve all the social issues faced by the so called secular society by eliminating these very abuses. Annie Besant.

Ideally, the evolution progresses in overall harmony from egoistic state (based on laws that support “survival of fittest” ideology & not having uniform acceptance) to ethical state (nurturing harmony oriented ethical laws having natural acceptance & then on to the highest possible moral state, nurturing productivity in orientation, through “rights & wrongs”, whose laws are applicable uniformly without reservations).

Human life cycle: Stages in a spiritual journey

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 in intelligence in the evolution process.

Properly enlivened beings make evolutionary choices that will upgrade their own intelligence.

The following stages, ashramas, in karmic life cycle of human beings are recommended by sashtras for realizing this objective during the evolution progress:

1. Brahmacharya: seeking/imbibing knowledge about creator/creation, through gurus, counselors, → upgradation of self.
2. Grahastha: striving to enrich the transmigration process by the contribution of integrated gender vitalities, i.e., upgradation of reproduction cells → upgraded transmigration.
3. Vanaprasta: seeking dispassion → refinement of self.
4. Sanyasa: seeking self-realization → refined transmigration.

16. Validation from Modern Science

Hindu scriptures & Sashtras give clearer analysis in detail with guide lines as compared to other faiths on the working of the universe progressing from the ego state (survival of fittest) → ethical state (harmony through natural law) → moral state (bliss through productivity), these being the major possibilities in the evolution cycles.

Indian Vedanta has two aspects, Mysticism & Humanism. The first One aims at “being the Self” & the second at “becoming the Self”. The first one without the second is sterile & the second without the first is meaningless. Vedanta of the 19th century India tilted too much towards mysticism & lost sight of humanism. *In its anxiety to reach the ultimate goal of moral state, moral prerogatives, “rights & wrongs”, were introduced in its society, that were misinterpreted as superstitions, tactics used for social exploitation, etc. Scientific validations of its basic philosophy which is universal in nature will enable the world community as a whole to see the reality of our existence. Time is not far off.*

SCIENCE/RATIONALISM ENHANCE PRODUCTIVITY, BUT IT TENDS TO APPLY COERCION TO THE ETHICAL MIND DISTURBING ITS HARMONY. So beware of coercion.

(“Intellectual integrity made it quite impossible for me to accept the dogmas of even the great scientists. Indeed those intellectuals who accepted some intrinsic beliefs were abdicating their functions for the joy of feeling themselves one with the herd”). Bertrand Russell

MYSTICISM/SPIRITUALISM LEADS TO BLISS, BUT IT CAN NURTURE DELUSIONS TOO. ONLY ETHICAL MYSTICS SUBJECT THEIR MYSTICISM TO SCIENCE, IN THE SOCIAL INTEREST. So, beware of delusion.

What mysticism seems to do is to stimulate the imagination, the basis for creativity. But we know the imagination is capable of generating false as well as true information. Mysticism is ethically neutral. Ethical mysticism –dispassion, passion devoid of feelings, will make a person more creative; unethical mysticism, satvik ego, will make him more disruptive.

WHEN PERSONAL MYSTICISM OR THE BELIEF IN GOD IS COMBINED WITH OBJECTIVE SCIENCE, IT ENHANCES OBJECTIVE CREATIVITY.

1. Mystical Specialists, i.e., mystics who are antiscientific and reject science as having any relevance to their mysticism, are destructive and self-deluded.
2. Mystical Scientists are also destructive and self-deluded in proportion to how much they compartmentalize their science and their mysticism, so that they do not apply the tests of science to their mystical insights and they do not rely on their mysticism to generate new ideas in science. In general Mystical Scientists are unscientific in their mysticism and un-mystical in their science.
3. Scientific Mystics are creative in direct proportion to how ethically they integrate mysticism and science. Those who have made a full integration between science and mysticism are "Scientific Mystics." They are fully scientific in their mysticism and fully mystical in their science. This is the Holistic Paradigm.
4. Scientific Specialists are scientists who have learned one thing to almost the total exclusion of everything else and have totally rejected the Mystical Paradigm as having any relevance to their life; they usually refer to it as a superstitious, antiscientific type of thinking. Like

other narrow specialists, scientific specialists are usually minimally creative in their specialty, although they may do useful work in identifying delusion.

5. Artists nurturing the panorama, are creative in direct proportion to how ethical and intelligent they are. They, apparently, have no essential need of conventional scientific knowledge. Their objective artistic creations are the direct links to objective truth. Mysticism enhances their creativity when they are ethical. *e.g.*, J.S. Bach, Michelangelo, Penderecki, and Dali.

Einstein believed in the God of Spinoza.

Einstein, when asked if he believed in God, proclaimed that he believed in the God of Spinoza, Jewish philosopher. Einstein carefully studied Spinoza and used his understanding of Spinoza to understand nature and the working of the universe. Spinoza taught that, God is “all that exists” & each of us is a modification in the body of God. Today quantum mechanics is confirming this holistic view of the universe. The only purpose of life, according to Spinoza, is to love God. We love God by emulating Him and understanding Him and His laws. In the process we maximize our creativity

Einstein & Quantum physics:

Although Einstein was a major contributor to quantum physics, he could not accept the implications of what quantum theory eventually predicted, namely,

- (1) that nature was fundamentally random and unpredictable at its most basic levels in atomic phenomena. Einstein’s objection: “God does not play dice with the universe”.
- (2) that in nature there was a fundamental and unavoidable interaction between the observed and the observer such that it was not possible to observe anything in nature without disturbing what we were observing. Einstein’s objection: “God is subtle, but not malicious”.

Niels Bohr is said to have responded to these objections from Einstein: "Stop telling God what to do!"

Even though quantum mechanics says there are limits to our ability to predict, science can now predict the averages/trends of all the random fluctuations at the atomic level. These averages make up the everyday world of objective reality at the macroscopic level. This is the world in which we live and experience. This is the world we directly perceive. Within this world quantum mechanics enabled us to predict chemical behavior, which is the average interaction of many billions of atoms, as well as control with lasers, superconductors, and super fluids. These last three creations are examples of macroscopic quantum phenomena.

Freedom for self-realization:

"If the possibility of the spiritual development of all individuals is to be secured, a second kind of outward freedom is necessary. The development of science and of the creative activities of the spirit in general requires still another kind of freedom, which may be characterized as inward freedom, ethical freedom, freedom of the spirit/thought from the interdependence of restrictions from the authoritarian and social prejudices as well as from unphilosophical routinizing in general. This inward freedom is a rare & an infrequent gift of nature and a worthy object for the individual" – Einstein.

"Relativity teaches us the connection between the different descriptions of one and the same reality"- Einstein.

The laws may have been decreed by God, but God does not intervene to break the laws" - Stephen Hawking.

The almighty is "invincible" but only a "Silent Witness" guiding destiny - Hindu scriptures

Dark energy's DNA origin

DNA and living organisms emit bio photons, whose radiation is coherent and blackbody, i.e. not thermal. DNA's bio photonic emissions provide a holographic bio field for the generation of physical structures. A seed, for instance, changes itself from a particle state into the tree's bio field for the purpose of self-reproduction. From the systems point of view a seed or genotype constitutes the input for the tree or phenotype the system's output. According to Systems Cosmology if we reverse the expansion of the universe in time, we'll find that the universe does have a seed origin. In other words we'll find that a cosmic seed or cosmic DNA constitutes the genotype of the phenotype cosmic tree, the universe. Also we'll find that just as a tree is the seed's way of making reproductions of itself, the universe is the cosmic DNA's way of making reproductions of itself. In a way, we'll find that life constitutes the cosmic systems input & output. Thus the observation of a tree system allows us to infer that our universe yields life because the universe itself is the product of a seed of life. Based on this inference it is logical to propose that evidently dark energy, also called vacuum energy or zero-point field, is the cosmic DNA's life energy. Predictably dark energy, that fuels the expansion of our universe, is the same as the quantum vacuum's zero-point energy, as well as the cosmic microwave radiation. The reason is that they all seem to originate from the cosmic DNA's bio photon emissions, whose blackbody radiation provides a holographic bio field for the generation of the physical universe.

Based on the fact that the bio photonic radiation emitted by DNA is coherent we may predict also that the cosmic DNA's bio photonic field or "dark energy" is equally coherent, Dr. Kazmer Ujvarosy, University of San Francisco.

The Quantum physics has established that the universe is not made of solid stuff but composed of acts of consciousness that observe & recognize it.

There is a mind-field present in all to recognize the same.

1. Everything in the universe is made up of “luxon” various types of light, electrons, quarks & other sub atomic particles, components of DNA.

Mind is not contained in the body, rather the body is contained in the mind, its space field, and not separated from each other, we become more aware of what is happening to our lives by steering away from strictly material goals & can gain more insight into the mind,

The purpose of life stems from “God wanting to have this experience” through us, we all sense this desire to have life, as soon we stop desiring these kinds of dreams, cycles etc. etc. things will come to stand still, Dr. Fred Alan Wolf, physicist, University of California .LA.

Quasi-Religious Theory: (based on a quantum theory of consciousness by the British physicist Sir Roger Penrose that says, the essence of our soul is contained inside microtubules within brain cells)

Our experience of consciousness is the result of quantum gravity effects in these microtubules. Thus it is held that our souls are more than the interaction of neurons in the brain. They are in fact constructed from the very fabric of the universe - and may have existed since the beginning of time.

The concept is similar to the Buddhist and Hindu belief that consciousness is an integral part of the universe, and indeed that it is really all there may be, a position similar to Western philosophical idealism.

In a near-death experience the microtubules lose their quantum state, but the information within them is not destroyed. Instead it merely leaves the body and returns to the cosmos.

"Let's say the heart stops beating, the blood stops flowing, the microtubules lose their quantum state. The quantum information within the microtubules is not destroyed, it can't be destroyed, it just distributes and dissipates to the universe at large", Stuart Hameroff.

17. Conclusions

Singularity is the controlling factor & its cosmic aberrations (universe), its controlled manifestations. The God principles, sanathana principles, function in micro & also in macro levels. Laws of Nature are the laws of singularity, the non-contingent source, the divine laws that govern the universal orbits with precision, the precise laws of the cosmos, the scientists measure with accuracy, the precise parameters of the genotype cosmic seed of the universe. Laws of the universe are the Laws of the aberrations of singularity, the laws of the phenotype tree, contingent universe in growth/decay cycles-that projects the panorama & enables us to savor the same “as many”, “unity in diversity” by “cause & effect” actions.

The evolution is all about urge of the cosmic desire, the concentrate of the manifesting vitality at the head of singularity, releasing a portion of its coherent mass as its aberrations, as

mass/vitality unions, with the big bang, for exploring new horizons in the universe. The released masses regain progressively the dislodged coherence, the singularity's base virtue, the self-healing creativity in dispassion, during the evolution progress. That means this basic creative virtue in the masses become gradually coherent & hence the masses are drawn towards singularity by natural attraction at its base as the evolution progresses, while the depleting manifesting vitality eventually converges back again towards its head. This natural phenomenon culminates in big crunch leading to big bounce, the start of a new cycle.

Where are we now & how we are heading?

The coherence in human beings is synonymous with productivity for desire fulfillment. During the evolution progress the non-sentient matters enliven the imprints of coherence in their masses to become astral masses, sentient beings, with creative ability. The benefits of the accumulated knowledge preserved through memory & other faculties over the time ensure a continued progress in the knowledge front of the society. At the same time there is a progressive depletion in the manifesting vitality in all the entities as per the evolution dynamics.

As per Hindu scriptures, the environmental & individual vitality will be progressively depleting towards the end of the cosmic cycle, pralaya, big crunch. According to them we are in the last quarter of the cosmic cycle with low levels of vitality. Let us not despair. In a spiritual sense, this natural end merely means its continuation, a beginning of a new cycle.

Looking back at the evolution progress thus far, we can realize that the coherence level, knowledge acquisition & hence the creative faculties, in the individuals is on the increase.

It is up to our "collective will" to ensure optimum levels of coherence & vitality for further progress.

18. Summary

The Absolute is a self-effulgent & invincible entity. Its divine thoughts, "let me be many" and "desire for self-expression to explore as many, culminated as divine destiny, cosmic cycle as divine play of thoughts. The universe, the consequent outcome of the above thought projection of the divine, comprises: 1. Observers, human beings; 2. Observing process, pleasures/pains; & 3. The observed, multifarious panoramas of the universe. When these three are not in harmony with one another, *i.e.*, when human thoughts are based on their ego, the panorama appears as chaos. Dispassionate thoughts contribute to creativity & hence to harmonious diversities in the universal panorama.

Mysticism, dispassionate vision, contributes to creativity, whereas science ensures their objective validations to keep the delusions at bay. Scientific mysticism holds the key for harmonious progress. Scientific Mysticism enables creativity in science. Normally science resolves problems arising out of human physical experiences through intense investigations & analyzes. Mysticism contributes to play of mind & failure to appreciate this is actually one of the major blocks to creativity. Play is the very essence of thought. The notion that falseness can

creep in the play of thought is depicted in the words illusion & delusion, but thought which plays true is “vision” & this is the secret of creativity. The creative person does not strictly have an agenda. . His activity is not problem solving but simply play of thoughts in dispassion. Within this play it is not taken for granted that new things must be always different or in a significant way be similar to the earlier one. The more different they are the greater the importance of seeing similarities among them & the more similar they are the greater is the value in perceiving the difference in them.

THE CREATIVITY & THE KNOWLEDGE THUS ACQUIRED BY THE COHERENCE OF THE SENTIENT MASSES OVER THE TIME ARE WASTEFULLY ORIENTED IN EGOISTIC EFFORTS.

Since the ego is a derived sense of you, it needs to identify itself with external things. It needs to be both defended and fed constantly that means it has coercive influences on surroundings. The most common ego identifications relate to your possessions, work status, relationships, family history and also to political, national, racial, religious and other collective identifications. But none of these is the innate you, I-Ness, its selfless shade, tendency & traits etc. with which nature identifies you in the universal panorama. As long as the egoistic mind is running your life, you cannot truly be at ease; you cannot be at peace or remain fulfilled except for brief intervals when you obtain what you want i.e. when a craving just gets fulfilled.

Nature nurtures “coexistence” & “co-creation”, but frustrates “ego”, counter creation. Since one has to necessarily replicate life after life through the complete cosmic cycle (through transmigrations), it is prudent to live a life devoid of ego to keep frustration away.

POINT TO PONDER: Nature sustains a universal order despite egoistic disruptions. Let us imagine the grandeur of the universal panorama devoid of such disruptions!

Former chief justice of India, J. S. Verma said, “if all the top executives function without ego”, the cost of social control will come down by 40%. It is now up to the “integrated us” to act. Existing as per Swabhava & Swadharma, i.e. - nurturing nature as per god principles - egoless co-existence, leads to salvation one leads a life devoid of sins.

Divine Lila shows up as cyclic inter play of energy vibrations of various entities –as chaos & conflicts, ”cosmic entanglement”, & how they are resolved serves as lessons in the unified laws of the universe where undue stress on norms, “rights/wrongs”, are avoided & this enables free will to flourish in co-creation mode.

Free will should only enable the “rights” to tide over the “wrongs” rather than to win them over.

About the author: sugantha rengarajan is a retired engineer. as is normal with a retired person, one wants to probe into “where we are from & where we are heading to”. this booklet is an outcome of one such exercise he has gone through for over a decade.