

## Mystery of Mass/Mass asymmetry/Fifth Force/Cosmic Cycle

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All molecules in nature come in two mirror-image versions, “right-handed” and “left-handed.” Natural chemical reactions produce approximately equal numbers of both types. But DNA, the building block of ‘life’ on earth, has only right handedness. Cosmic rays may have tipped the balance in favour of Right handedness in the evolution of ‘life’. Right & left-handedness are observed in polarised light.

“If you could shrink small enough to descend the genetic helix of any animal, plant, fungus, bacterium or virus as though it were a spiral staircase, you would always find yourself turning right, never left. It’s universal”. This is the link between life on Earth and the cosmos.” Louis Pasteur, the pioneer to perceive asymmetry in life’s molecules. This “handedness” was proved in the weak force of physics in 1950s. –

This linkage between the asymmetry/handedness of the organisms & the cosmic forces perceived by Louis Pasteur in the 19th century forms the basis for the proposed “fifth force” concept.

It is interesting to note that Double helix structures are spotted in organic molecules & also the milky way galaxy

The **Fifth force** of nature in action on the **cosmic source** from its **pre-space/time existence** in the **cosmic magnetic field**, accounts for the energy / vitality to all the genetic molecules in the right-handed double helix mode, during evolution & the left-handed molecules of anti-existent unmanifest entities during involution, with the reversals of the cosmic arrow of time, governs the eternal cosmic cycles. The manifestation cycle of the source begins with **evolution** i.e., the instant space/time expansion of its **Reverse Mass** with **self-propelling vitality** from the **cosmic nucleus** as **manifest singularity** into the **microcosm** simultaneously undergoing space time contraction towards the **cosmic nucleus** in **right-handed chirality in positive entropy** by the fifth force of nature. During involution also the **unmanifest singularity** continues its space/time contraction towards the cosmic nucleus in **left-handed chirality** to complete a **cosmic cycle** under its own momentum.

### Rest is logic & science.

The antiparallel mode DNA replications provide ample evidence for the connecting link between macro & micro levels of the cosmos.

The Fifth force emanates from the cosmic nucleus & is most powerful there exerting its optimum gravitational attraction between the pair elements. Singularity is formed due to intense internal gravitational attraction between the pair elements & it becomes a self-propelling negative mass at the cosmic nucleus where it is most powerful. The source, the singularity in CP symmetry, derives its self-propelling vitality as a Reverse Mass due to the fifth force in the cosmic magnetic field.

This fifth force keeps the pair elements of the manifest all entities in orbits through & around their mass in the antiparallel DNA double helix mode during evolution & in the parallel mode during involution. Acting under the cosmic magnetic field this generates cosmic energy / vitality during evolution & involution sustaining the eternal momentum of the cosmic cycles. This force unifies all the existing forces of nature.

The energy cycles of the DNA molecules in the micro level are the reflections of the macro level cosmos.

### Matter & antimatter

The source is a singularity with complementary antiparallel vitalities of evolution/involution in CP symmetry. Not only a singularity it is a negative mass with invincible vitality. The fifth force of nature keeps its pair elements of consciousness & matter, synonymous with these vitalities orbiting in & around the source at cosmic speeds under the cosmic magnetic field in the DNA double helix mode generating optimum vitality & the source remains in static effulgence. Manifestation is initiated by a subtle asymmetry between its antiparallel vitalities- mass asymmetry between its pair elements consciousness being subtle compared to gross mass.

The source as a negative mass projected itself with asymmetry at big bang into the microcosm in the evolution mode as manifest singularity, from the cosmic nucleus & the fifth force gives the same the effulgence & mobility to move the same back towards the cosmic nucleus. The evolution is in right handedness during evolution in positive entropy. At the end after losing its energy all the unfolded pair elements are attracted by the fifth force in a big crunch towards the cosmic nucleus in the parallel left-handed space time contraction mode, in negative entropy till the unmanifest singularity attains the status of a cosmic foam as singularity – Reverse Mass. The next cycle starts with a big bounce with its own momentum. The cosmic cycles are eternal.

The Source as a Reverse Mass under internal cosmic attraction is kept under effulgence by the fifth force Any undulation can cause release this into evolution mode. Matter is an aspect of nature reflecting this evolution vitality life existence. Antimatter—consciousness—is an aspect of nature reflecting involution anti life—anti existence& is in attraction to the cosmic nucleus. We the manifestations are reflecting the antiparallel vitalities of nature subject to the above evolution & involution attractions, contributing to the diversity during evolution. During involution the unmanifest singularity remains in the parallel mode- anti life—anti existence—recuperating anti energy—vitality—without any dissipation of its low vitality crunches in negative entropy. As the CP symmetry improves the effulgence of the vitality crunches depletes . this culminates the involution with the big bounce.

### **Understanding Mass, its CP Symmetry, Energy & The Fifth Force**

#### **The source was in CP symmetry of its pair elements in static effulgence with optimum vitality & without chirality**

The source existed as a complementary pair of cosmic vitality & the cosmos, the space/time continuum, in cyclic existence in evolution & involution modes. Metaphysical interpretation relates evolution to righthandedness & involution to left-handedness with chirality. Evolution is existence with energy dissipation with positive entropy in the antiparallel mode synonymous with the source's outgoing vitality & involution is antiexistence with ingoing vitality in parallel mode with negative entropy, regaining vitality with low vitality crunches. This is the basic operating principle behind cosmic cycles. This is consistent with the cosmological observations & research findings & the CPT theorem.

The pre space/time source at the cosmic nucleus under the fifth force in the cosmic magnetic field remained as a singularity with self-propelling vitality—Reverse Mass due to the intense gravitation attraction between its pair elements with CP symmetry & hence remained in static effulgence with optimum vitality. Consciousness (antimatter) & Matter are its vitality pair elements synonymous with involution & evolution vitalities. They are dielectric materials that can be charged i.e., matter positively & antimatter negatively with equal mass content. With equal charges their vitality is optimum & they always exist as a symmetric pair undergoing one-to-one interaction during their energy generation without leaving residual particles. Mass asymmetry causes spatial disparity of pair elements in the evolution zone where they exist with varying CP symmetry & orientations contributing to positive entropy.

The source could manifest only due to subtle asymmetry between involution & evolution vitalities, the involution vitality being marginally stronger to sustain the cyclic existence of the cosmos. Consequently, the antimatter & matter synonymous with involution & evolution become subtle & gross. Every interaction between the pair elements results in the leaving out of subtle antimatter that gets accumulated in the involution zone, antimatter being synonymous with involution. As the evolution progresses the disparity between matter & antimatter in the zone of evolution becomes more with parity more in favor of matter. The energy generation with this spatial disparity takes place in two modes namely by one-to-one basis of the pair elements—strong interactions—as in the manifest singularity & weak interactions among the remaining elements in the evolution zone. This energy generation is below optimum . As the disparity increases over time the cosmic energy generation depletes with time contributing to positive entropy.

All masses in manifestation are the projections of the source in the evolution mode undergoing the subtly stronger involution vitality in the antiparallel mode towards the cosmic nucleus. Like the source they exist in effulgence with their salient energy axis – magnetic axis—in the vertical plane from base to head & orientation axis from back to front in the horizontal plane. Antimatter remains to the right of matter subscribing to the right handedness of all the molecules. A predestined subtle asymmetry between the evolution & involution vitalities, involution vitality being marginally stronger-consciousness being subtle & matter being gross-, accounts for its manifestation. The manifest singularity with asymmetry exists with a stable magnetic & orientation axis sustained by the fifth force synonymous with involution vitality. Its existence is in unstable effulgence namely in the cyclic mode generating quantum energy in positive entropy, progressively moving towards the cosmic nucleus due to marginally stronger involution vitality. Its pair elements have to be in subtle asymmetry under the antiparallel evolution & involution vitalities to accomplish its cyclic existence along with the manifestations. Because of this infinitesimally small subtle asymmetry only, the evolution span has been so long, 13.8 billion years so far. During evolution the one-to-one interactions between the asymmetric pair elements are not complete with the non-participating consciousness—antimatter synonymous with involution drifting into the involution zone progressively, bringing down the CP symmetry in the zone of evolution—positive entropy-. During the involution the matter & antimatter that are in attraction in the parallel mode undergo low vitality crunches cyclically enhancing the vitality of the unmanifest singularity till it attains the nadir of its physical existence as a NEGATIVE MASS in negative entropy at the cosmic nucleus. The fifth force of nature governs the cosmic cycles through Positive & Negative entropy giving diversity.

Consciousness (antimatter) is the source of awareness that remains subtle. Matter is the source of asymmetry remaining gross compared to antimatter. These pair elements normally exist with CP symmetry leaving no particles as residue after interaction. When they exist in CP symmetry, they generate optimum energy due to total one-to-one interaction. When they remain with spatial disparity, they generate energy in two modes., one through the strong one-to-one interaction between the pair elements as in the case of manifest singularity & the other through the weak interactions between the remaining elements in the evolution zone. This is low compared to the CP symmetry mode. In the world we live in energy generation is due to molecular transformations among the anti-matter & matter continuously in correction of their disparity. Mass is a complementary pair of anti-matter & matter with varying mass with their magnetic axis in varying orientations. The more the CP symmetry of the masses with their magnetic axis in alignment with the stellar poles the more is their energy/vitality.

The Fifth force of the source in CP symmetry of its anti-parallel evolution/involution vitalities keeps the pair elements of its manifestations in orbits through & around them along both their vertical magnetic energy axis & the horizontal orientation axis cyclically. The source is a personification with its magnetic energy axis & horizontal orientation axis projecting its vitality. The source remained in static effulgence with optimum vitality because of its CP symmetry. Cosmic desire-initiated manifestation through a subtle asymmetry between its vitalities namely antimatter being subtle compared to gross matter—cosmic undulation—unfolding its pair elements with vitality. The negative mass of the source, projected itself instantly as manifested as the singularity that progressively constituted the universe complementary pair as the COSMOS. The cosmos dissipates its energy during evolution & gains vitality during

involution in positive & negative entropy under the magnetic field of the cosmic stellar poles. The cosmic cycle is eternal. During the evolution the pair elements are in clockwise orbits around the masses at cosmic speed in the right-handed DNA double helix mode dissipating the energy in the environment in the first half & getting charged in the second half of the cycles. Antimatter is subtle & more vital & matter is gross leading to asymmetry. This asymmetry leads to incomplete interaction between the pair elements during energy generation cycles. Antimatter is synonymous with involution. The antimatter left out of the one-to-one strong interactions of the manifest singularity gradually gets accumulated in the involution zone near the cosmic nucleus. The pair parity in the evolution zone progressively becomes in favor of matter. The energy generation by the cosmos with spatial disparity takes place in two modes, namely strong interactions on one-to-one basis in the manifest singularity & weak interactions of the non-coherent masses of the universe. This energy is in the ratio of 80 : 20. The overall energy generation in the evolution zone is thus in depletion cycle after cycle leading to positive entropy. The CPT theorem also subscribes to this.

The fifth force of nature governs the antiparallel mode evolution process with positive entropy & the parallel mode involution process with negative entropy. The masses derive the energy/vitality from the fifth force according to their, mass density, CP symmetry, shapes & sizes. Their magnetic energy axis has to be in alignment with the magnetic energy axis of the source for optimum energy generation.

The manifest singularity being mass with infinitesimal radius i.e., high density, possesses, enormous energy because of the infinite number of energies discharges it undergoes per unit time & its steady magnetic axis in alignment with that of the source. A spherical mass has more energy.

The source, the pre space / time singularity with CP symmetry, manifests as manifest singularity with a subtle mass asymmetry according to the asymmetry between evolution / involution vitalities contributing to the cyclic existence of the cosmos. While the singularity has a stable magnetic axis, all its gradually disintegrating non coherent masses that makeup the universe, exist with varying CP symmetry & orientations. A normal mass thus possesses its energy of discharge by its pair elements during their attraction towards its center. The attraction forces between its pair elements are the source of weak gravity contributing to its —aura. The manifest singularity is an enormous energy vortex acting as an electric conductor in the foam mode in the cosmic magnetic field. The electromagnetic forces keep the energy vortex in motion at cosmic speed cyclically away along its orientation axis. This strong force of gravity the orbital motions of the galaxies, stars planets etc. -cosmic space/time expansion-. Simultaneously the manifest singularity is kept clockwise movement about its magnetic axis & in right-handed involute contraction mode towards the cosmic nucleus in steps during their cyclic attractions. At the end of evolution, the cosmic arrow of time reverses with the big crunch. The fifth force attracts the pair elements towards the cosmic nucleus. The pair elements function in the left-handed parallel double helix mode. In this parallel mode the pairs elements are always in attraction & get differentially charged as dielectrics with low vitality, crunch after crunch. Its vitality vortex is directed towards the cosmic nucleus. It attains the status of a singularity foam with negative entropy. The singularity moves in steps towards the cosmic nucleus in the left-handed involute contraction mode making one anticlockwise rotation about its axis, completing a cycle.

A spherical mass with better CP symmetry has optimum energy. While the manifest singularity functions in the right-handed anti parallel DNA double helix mode with depleting C symmetry from the microcosm towards the cosmic nucleus in steps, the non-coherent masses of the universe deteriorate with varying CP symmetry & orientations into the macrocosm losing their energy at the culmination of evolution. The pre space/time source existed as a singularity —Reverse Mass with total CP symmetry of its antiparallel vitality pair elements consciousness (antimatter) & matter with equal mass & hence in static effulgence with optimum vitality without chirality. The pair elements are kept in orbits around the source in right-handed DNA double helix mode at quantum speed about its vertical energy axis from base to head & horizontal orientation axis from back to front. The resultant of these two vitalities keeps the magnetic axis of the source slightly tilted from the vertical.

The pre space time source existed as a supreme personification, a singularity of antiparallel involution / evolution vitalities with its vitality pair elements Consciousness (antimatter) & Matter. The cosmic space is charged by the stellar magnetic poles. The antimatter is dispositioned to the right side of matter. Its energy axis is its vertical magnetic axis from base to head. Its orientation axis is from back to front in the horizontal plane projecting its vitality from the front. During manifestation its arrow of time is oriented in the evolution mode, namely matter in the projection mode & antimatter in the attraction mode by the source, towards the cosmic nucleus along both the energy & orientation axis. All the vitalities of the cosmos emanate from the cosmic nucleus of the source. Matter & Antimatter are the primordial vitality elements of the source synonymous with the antiparallel evolution & involution vitalities of the source. The source existed with total CP symmetry of its evolution / involution vitalities & hence remained in static life sustaining effulgence with optimum vitality without energy dissipation in its empty space.

The source derives its vitality for manifestation from the fifth force of nature acting from its cosmic nucleus. This force draws the pair elements of the source into it & projects them cyclically into the space around after charging them with energy for dissipation in the environment. The pair elements orbit around the manifestations in vertical & horizontal modes. They are in cyclic attraction between them.

Cosmic Desire, unfolded the source without effulgence but with a subtle mass asymmetry between the evolution /involution vitality with consciousness (antimatter) being subtler than the gross mass & the involution vitality being marginally stronger than that of evolution. Its negative mass sprang out instantly along its magnetic axis at big bang with unfolded pair elements in momentary annihilation. This projects the manifest singularity into the microcosm radially along the magnetic axis & got settled down in effulgence sans annihilation due to low intensity attraction between the pair elements by the fifth force at the microcosm away from the cosmic nucleus. The energy generation from now onwards by the manifest singularity is in the fusion mode in effulgence without annihilations—strong interactions- i.e., one-to-one interaction between the pair elements. The subtle & non participating antimatter synonymous with involution accumulates cycle after cycle in the involution zone beyond the inner border of the evolution zone not contributing to evolution energy. Due to this disparity between anti matter & matter the positive entropy of the evolution zone progressively increases. The overall CP symmetry / energy of the cosmos is in depletion on a time dependent basis. The CPT theorem endorses this.

The fifth force keeps the pair elements of the manifest singularity & all its manifestations in clockwise orbits about the pairs, namely in the right-handed anti parallel DNA double helix mode in the vertical & horizontal planes across the pairs namely along their energy & orientation axis. Both these planes are perpendicular to each other. The fifth force also charges the pair elements with opposite polarities in the horizontal plane contributing to their energy. The cosmos is a vitality/energy vortex.

The evolution itself is an energy dissipating process of the manifest singularity in positive entropy. The magnetic axis of the manifest singularity is stable & it only makes one clockwise rotation about its magnetic axis in steps during evolution while its advances towards the cosmic nucleus.

The energy vortex of the manifest singularity acting as an electric conductor in the foam mode under the stellar magnetic field of the cosmos is kept in constant motion of repulsion away along the orientation axis at intense speed contributing to Dark energy that keeps all the galaxies etc. in orbital motion, with antigravity effects on the planets. This energy is in time dependent depletion till the end of evolution when the pair elements lose all their energy without effulgence. The cosmos undergoes positive entropy during evolution. The fifth force initiates the involution with the reversal of arrow of time & the orientation of the unmanifest singularity towards the cosmic nucleus. On their way to the cosmic nucleus with the increase in attraction between them the pair elements form the initial complementary pair in effulgence without vitality at the microcosm. The involution functions in the left-handed parallel DNA double helix mode with the unmanifest singularity moving towards the cosmic nucleus in the anticlockwise involute contraction mode. The vitality vortex of the pair is towards the cosmic nucleus & the pair recuperates its lost vitality in negative entropy as a negative mass, for an equal duration.

The big bang & big crunch are spiritual events of transformations of the source as Manifest & Unmanifest Singularity. All the manifestations, including the manifest singularity, are personifications representing various salient aspects of the source with varying vitality & orientations in the energy dissipation mode, while the manifest singularity is in step-by-step rotation about its stable magnetic axis moves towards the cosmic nucleus. With one clockwise rotation after permeating all the pair elements in the cosmos the evolution culminates. During involution the source as the unmanifest singularity, a negative mass in negative entropy, recuperates its vitality. It makes one anticlockwise rotation about its axis drawing all matter from the evolution zone during its mass consolidation as a singularity foam.

The Fifth force during evolution acts on the pair elements of all the manifestations in the right-handed antiparallel DNA double helix mode, simultaneously keeping them in clockwise orbits in both vertical & horizontal planes. The pair elements are charged oppositely in the horizontal plane across the pair, with matter & antimatter being charged with positive & negative polarities. They discharge their energy to the pairs at the center cyclically during their orbits at cosmic speed. The fifth force renders the cosmic space to exist as a charged energy vortex of complementary pairs with varying energy & orientations in compatibility for basic harmony. The manifest singularity being the coherent mass with infinitesimal radius generates enormous energy due to infinite number of attractions between them per unit time. The shape & size of the entities decide their energy contribution.

Any complementary pair, an entity, is a gravitating personification with its energy & orientation axis. Its energy / vitality depends on its mass, CP symmetry & radius curvature of its mass.

All entities including the manifest singularity exhibit static force of attraction of the orbiting pair elements This is the force of weak gravity of any entity. The energy vortex of the high coherent manifest singularity acting as a conductor in the stellar magnetic field is kept in motion at cosmic speed along its orientation axis due to electromagnetism. This high-speed repulsion force of the manifest singularity outwards along its orientation axis during its successive energy cycles, is the strong force of gravity in motion that accounts for the elliptical orbital motions of various galaxies, black holes, stars etc. that get disintegrated as transient singularities over time. The manifest singularity of the source is in step-by-step clockwise movement about its magnetic axis moving towards the cosmic nucleus. Its magnetic axis is stable & is not in orbital motion.

This fifth force picturizes all the galaxies, black holes, stars etc. with their elliptical orbits with the pair elements orbiting around them in both vertical & horizontal planes, as seen through the telescopes. All the particle parameters of the cosmos are governed by the CPT theorem that conserves overall symmetry of the evolution & involution processes.

**Evolution:** The functioning of the pair elements of the manifest singularity in the Right-handed antiparallel double helix mode discharging their charged energy cyclically away along the orientation axis in positive entropy. The cosmic arrow of time starts radially upwards from the cosmic nucleus along the magnetic axis. The Reverse Mass of the manifest singularity undergoes instant space/time expansion at manifestation into the microcosm & moves towards the cosmic nucleus during evolution in progressive dissolution. Its dissipated masses are in space/time expansion into the macrocosm as the universe with varying CP symmetry.

**Involution:** Left-handed parallel double helix mode working of the pair elements in the reverse arrow of time initiated by big crunch & the unmanifest source moves towards the cosmic nucleus with its vitality vortex directed inwards the cosmic nucleus. consolidating the same as a Reverse Mass in negative entropy. The arrow of time is towards the cosmic nucleus.

The manifest singularity being the coherent mass with infinitesimal radius its energy generation is immense. It is stable about its magnetic axis without orbital motion. It is the Dark Matter, the major energy provider of the cosmos sustaining the evolution process. All the masses undergo CP symmetry variation instant by instant with overall depletion of cosmic energy. During involution the unmanifest singularity gains gradual vitality recuperating its negative mass.

#### **Fifth force & Cosmic Cycle-Metaphysical Analysis**

All manifestations exist as complementary pairs of consciousness ( antimatter) & matter in dual opposing & parity symmetry modes for static & dynamic stability. Antimatter is consciousness, according to-Niels Bohr

The cosmos is within us. Some part of our being knows where we come from. We long to return there. And we can because we are made of the cosmic stuff. We are the means for the universe to know itself. - Carl Sagancosmologist

“While DNA could be claimed to be both simple & elegant, it must be remembered that DNA almost certainly originated fairly close to the origin of life when things were necessarily ‘simple/organized’ or they would not have got going. An honest man, armed with all the knowledge available to us now, could only state that in some sense, the origin of life appears at the moment to be almost a “miracle”, so many are the conditions which would have had to have been satisfied to get it going eternally. Francis Crick co-inventor of DNA

Evolution is the movement forward by which the created universe evolves from its initial state of in conscience ( as non-sentient matter) into animated life forms and continues to evolve till it rediscovers its Source of origin. Such an evolution is only possible if the developing entity contains within itself the conception of what it may become. Thus, the evolution of life out of matter supposes a previous involution of that animated capacity. This is akin to a seed that already has the essence of the tree that will emerge from it. Aurobindo- philosopher saint-

1. Matter & consciousness (antimatter) are the prime complementary anti parallel charge elements synonymous with the source’s evolution & involution vitalities of the source. The fifth force of nature orbits the pair elements in & around the source at quantum speed under the cosmic magnetic field. The pre space/time source existed under its intense internal gravitation vitality as a singularity with self-propelling vitality i.e., as a Negative Mass at the cosmic nucleus.
2. The fifth force emanating from the cosmic nucleus, is with its maximum vitality at the cosmic nucleus.
3. The Source existed with total CP symmetry of its pair elements & hence with optimum vitality in static effulgence.
4. The Source remained in righthandedness in the double helix mode without chirality, anti-matter being synonymous with the involution is on the right side of matter.
5. The source, the cosmic being with vertical energy & horizontal vision orientation, its pair elements are in orbits from base to head & also along its orientation axis from back to front in antiparallel mode during its manifestation in evolution. During involution the Source is unmanifest in the parallel mode.
6. The anti-parallel pair elements get the energy of discharge from the opposite charges & are in gravitational attraction—weak gravity—(static gravity). Due to electro magnetism the source acting as a conductor in the foam mode creates dynamic energy vortex causing the elliptical orbits of galaxies & planets.—strong gravity-(dynamic gravity) during evolution. The source is in vitality recuperation in negative entropy forming a negative mass during involution.
7. Evolution & involution, in antiparallel & parallel modes with positive & negative entropy sustain cosmic cycles.
8. Cosmic desire cosmic undulation of the source’s effulgence—initiated the big bang with self-propulsion of its Reverse Mass, as the cosmos, the complementary pair of asymmetric manifest singularity & universe.
9. The source savors unlimited diversity through human beings as cocreators, the purpose of creation itself.

The Fifth Force sustains cosmic cycles of the Super Man, unifying all the known forces of nature. It enables the manifestation of the source for savoring diversity through its co-creators—human beings. All the radiant forces that govern the orbital motions of the galaxies etc. & all the vibrations in the universe of the observers,

their acts of observation & also those of the objects observed are the harmonics of the universal rhythm that sustains its harmony. The universe is a spiritual arena of “cause & effect” interactions. Life springs out of each of vibrations sentient or otherwise that restores the balancing of active & passive traits.

### Cosmic Cycle

Pre space /time source as Reverse Mass in CP symmetry à cosmic desire undulation in effulgence & asymmetry in Cosmic vitality à big bang à projection of negative mass of the source as asymmetric manifest singularity into microcosm à evolution (matter) in antiparallel mode in positive entropy against involution (antimatter) vitality à big crunch initiating the involution in parallel mode of matter & antimatter, gaining vitality in low vitality crunches till the unmanifest singularity attains the status of Reverse Mass foam without effulgence in negative entropy à big bounce with the reversal of cosmic arrow of time in antiparallel mode.

Logic behind fifth force of the cosmic cycle based on Micro level observations by Louis Pasteur.

All molecules in nature come in two mirror-image versions, “right-handed” and “left-handed.” Natural chemical reactions produce approximately equal numbers of both types. But DNA, the building block of ‘life’ on earth, has only right handedness. Cosmic rays may have tipped the balance in favour of Right handedness in the evolution of ‘life’. Right & left-handedness are observed in polarised light.

“life” molecules are in existence with asymmetry in right handedness, advancing towards a nucleus in the cork screw mode. This probably is the origin of the concept of the fifth force, that governs “life & existence”. The pre space/time source, the antimatter & matter pair in CP symmetry existed at the cosmic nucleus under the fifth force that emanates from the cosmic nucleus where it is most powerful. This force emanating from the cosmic nucleus renders the Source, the singularity, to attain the nature of a negative mass with self-propelling vitality. At big bang the manifest source existed in its antiparallel mode with matter & antimatter oriented towards evolution & involution respectively, involution being marginally stronger contributing to asymmetry.

- Consciousness remains to the right of matter sustaining the righthandedness & asymmetry during evolution & in left-handedness in asymmetry during involution.
- The source due to its CP symmetry remained in static effulgence & optimum vitality.
- The fifth force of nature keeps the pair elements of the masses in orbits in and around in the DNA double helix mode under the cosmic magnetic field giving energy & vitality to the manifest & unmanifest source.
- The pair elements as dielectrics are charged oppositely i.e., matter & and consciousness positively & negatively, during their antiparallel movement under the magnetic field.
- “Antimatter is consciousness’ Niels Bohr—based on the Upanishads.
- The pre-space / time source is a personification, a singularity—negative mass with C symmetry of its antiparallel involution / evolution vitalities along its vertical energy axis from base to head & also along the horizontal orientation axis from back to front. Its vitality is projected along orientation axis towards its front.
- The cosmic space is a magnetic field sustained by the stellar poles. The resultant of these two axes is its magnetic energy

axis with a tilt towards to the orientation axis source. The orbits of the pair elements are in vertical & horizontal planes i.e., along magnetic energy & orientation axis, sustaining the cork screw mode motion of the organic molecules during its manifestation towards involution.

- The life sustaining effulgence of the source is due to the fifth force of nature operating from the cosmic nucleus. keeping the pair elements in clockwise orbits around it in both vertical & horizontal planes simultaneously.
- The pair elements are charged cyclically under the magnetic field keeping the source with optimum vitality in static effulgence.
- The vitality / energy generation of a manifesting entity is maximum when its magnetic energy axis is stable & in alignment with that of the source. The vitality/energy depends on the CP symmetry mass density, shape & stability of its axis. The vitality / energy of an entity is optimum when its mass density is high. When it exists as a singularity it becomes invincible with infinitesimal vitality charges per unit time.
- A predestined subtle mass asymmetry (anti matter being subtle compared to gross matter) created by the cosmic desire-initiated manifestation—big bang. This asymmetry is synonymous with the asymmetry of the involution & evolution vitalities of the source.
- The momentary annihilation / fission at big bang between the unfolded pair elements of the source at the cosmic nucleus caused the projection of the negative mass of the manifest singularity at the inflation speed into the microcosm, where the intensity of attractions between the pair elements becomes weak & cannot support annihilations. The fifth force settles the manifest singularity down in effulgence generating fusion energy-one-to-one strong interactions between the pair elements- accounting for 100% of cosmic energy at big bang. The manifest singularity from then onwards is kept in movement towards the cosmic nucleus under positive entropy culminating without energy at the end of evolution.
- During manifestation all the entities continue to be in effulgence. Only at the instances of big bang & big crunch the effulgence is broken unfolding the pair elements.
- When unfolded the pair elements are attracted by the fifth force from the cosmic nucleus.
- Without effulgence the pair elements are unfolded & attracted. If the entities are with vitality pair elements annihilate themselves releasing fission energy. Annihilations do not take place during effulgence & when the pair is beyond microcosm. The evolution energy generation by the manifest singularity is in the fusion mode sustaining the cosmos with quantum energy.
- Without vitality & effulgence, the pair elements unfold from the entities & get attracted by the fifth force from the cosmic nucleus in a crunch without energy.
- Cosmic desire predestined a subtle asymmetry between the evolution / involution vitalities with a break in their effulgence to enable the manifestation of the source. The consequent attraction & annihilation big bang instantly propelled the source -Reverse Mass along the magnetic axis into the microcosm where its pair elements are in effulgent attraction as the manifest singularity in asymmetry.
- The Source in the evolution mode radially propels upwards due to the momentum of big bang, while the fifth force moves the manifest singularity progressively towards the cosmic nucleus in righthandedness—space /time contraction in cork screw mode.
- The manifest singularity with its infinitesimal radius

contributes to enormous fusion energy because of infinite energy discharges per unit time by its orbiting pair elements.

- This subtle asymmetry is a necessary precondition for its mobility in manifestation. Without this mobility the big bang would have ended in total. annihilations leaving behind pure energy.
- During manifestation, this fifth force keeps all the antiparallel pair elements with subtle asymmetry between them, in clockwise orbits around the entities in vertical & horizontal planes undergoing cyclic attraction between them. This aspect is reflected in the right-handed DNA double helix mode functioning of the complementary pairs.
- The pair elements of all entities are in attraction towards the centre of the masses during their orbits. This is the weak force of gravity, influencing one another depending on their masses & the distance between them.
- This fifth force also is reflected in the microlevel by the anti-parallel DNA 'live' replications in right-handed mode, with the leading strand existing to the right of the lagging strand synonymous with evolution. (All the DNA replications of beings, plants, animals etc. are right-handed). The DNA science thus holds the clues for all the puzzles relating to gravity.
- All the manifestations exist with their energy axis from base to head & their orientation axis from back to front. Each one with 'aura' represents a salient part of the source. Man is in the image of God-bible- having his vertical energy axis & horizontal orientation axis with vision orientation.
- Their energy/vitality/ aura / gravity etc. depend on their mass density, their radius of curvature, their CP symmetry the stability & alignment of their magnetic axis with that of the source, since the energy /vitality is generated under the cosmic magnetic field.
- The subtle consciousness (antimatter) is the source of awareness & the gross matter is the source of asymmetry. Due to this asymmetry, one-to-one interaction between the pair elements of the manifest singularity is not complete during each energy cycle. The subtle non participating antimatter synonymous with involution accumulates progressively in the involution zone beyond that of evolution not contributing to cosmic energy.
- The matter/antimatter parity in the evolution zone depletes & the parity remains more in favour of matter on a time dependent basis contributing to positive entropy. CPT theorem subscribes to this time dependence.
- The CP symmetry of the cosmic space depletes as the time advances due to the progressive accumulation of the subtle antimatter in the involution zone synonymous with antimatter. They do not contribute to the cosmic energy generation while the other masses of the cosmos remain with varying CP symmetry. The overall CP symmetry of cosmos is Time dependent.
- Its vitality  $V$  or energy  $E$ , is based on the proposed universal energy equation  $V/ E=RMQ$  squared, where  $R$  is the CP symmetry index of the mass,  $M$  is mass of pair elements.  $Q$  is quantum speed of orbiting elements.
- Manifest singularity with mass asymmetry evaporates gradually due its  $C$  symmetry depletion into galaxies, stars, blackholes etc. & in the end as non-coherent masses constituting the universe its complementary partner.
- At the cosmic level this fifth force, keeps the space horizon of the manifest singularity as a charged clockwise energy vortex with the pair elements attracted towards the centre at cosmic speed, the energy being generated by the orbiting elements

- under the cosmic magnetic field. This is the major source of energy of the cosmos supporting “life” with effulgence.
- In the universe, constituted by all the progressive disintegrations of manifest singularity all the entities exist with varying orientations & CP symmetry, its P symmetry being constantly sustained by nature for stability.
  - All entities of the universe have their salient magnetic axis & orientations. Its masses exist with varying CP symmetry & vitality according to their mass density, stability of their energy axis & their shapes.
  - The pair elements, matter & antimatter, move around the entities giving the energy of discharge during their cyclic attractions to the pair as per their CP symmetry.
  - The singularity’s energy axis is its Magnetic axis. The pair elements act as charged electric dipoles. With the pair elements in rotation at cosmic speed in cyclic attraction between each other, the singularity behaves as an electric conductor in the foam mode. Due to electromagnetism this vortex foam of the manifest singularity is kept away in motion along its orientation axis, at intense speed. This is the strong force of gravity in motion attracting all its surrounding entities into it & keeping the galaxies in orbital motion away along its orientation axis.
  - This force tilts the magnetic axis of manifest singularity from its geographical axis towards its orientation axis. The fifth force maintains the stability of its magnetic axis. The manifest singularity moves in clockwise steps about its magnetic axis in effulgence without orbital motion. It also moves in steps towards cosmic nucleus cycle after cycle. It is highly stable.
  - The black holes are disintegrations of the manifest singularity-transient singularities Dark matter as per science. They appear in varying modes exhibiting strong forces of gravity but are transient. As the evolution progresses a greater number of transient singularities will appear & fade away in the cosmos due to positive entropy.
  - The Fifth Force, unifies Gravity (weak & strong) with other forces of nature.
  - Cosmic desire predestined asymmetry of the manifest singularity without effulgence & unfolded its pair elements. It projected itself instantly from the cosmic nucleus into the microcosm releasing momentary fission energy of its pair elements with powerful attraction between them.
  - The intensity of attraction between the pair elements at the microcosm being less than at the cosmic nucleus the manifest singularity settles down with effulgence there but continues its momentum outwards along the magnetic axis. The high-speed effulgence generates fusion energy in quantum mode under the stellar magnetic field.
  - The orbiting pair elements under the magnetic field derive the force to move the manifest singularity towards the cosmic nucleus in right handedness. This accounts for the repulsion forces exhibited during momentary inflation.
  - The manifest singularity continues its movement towards the cosmic nucleus with clockwise movement about its magnetic axis in steps in the antiparallel mode.
  - The big bang energy kept the cosmos in radiation domination for about 7 billion years. The cosmos from then exists with Thermal Equilibrium between its energy from strong & weak interactions namely radiations & mass energy. This ratio is 80:20 with the total cosmic energy progressively depleting in positive entropy.
  - The strong force of gravity of the manifest singularity, acting along the orientation axis & its simultaneous movement towards the cosmic nucleus along the magnetic axis during evolution, accounts for accelerated expansion of planets as the fifth force detests more powerful nearer to the cosmic nucleus
  - All the galaxies/planets deteriorate due to CP symmetry depletion / positive entropy of the cosmos. The evolution culminates with no energy.
  - The manifest singularity gets its energy as radiations from the cyclic discharge of the charges of the pair elements during their attraction spikes at cosmic speed. fusion energy in Quantum mode. This energy is dependent on its C symmetry that depletes progressively in the zone of evolution as the evolution progresses positive entropy
  - The anti-parallel functioning of the asymmetric pair elements & the time dependent CP symmetry of the cosmos account for the positive entropy during evolution.
  - Due to this entropy the coherent mass of the manifest singularity progressively disintegrates into transient singularities & then as non-coherent masses of the universe in space / time expansion in righthandedness.
  - While the manifest singularity undergoes space/time contraction in the clockwise involute mode towards the inner border of the microcosm, the universe is in space/time expansion in clockwise involute mode towards macrocosm accelerated expansion-. The positive entropy contributes to depleting energy of the cosmos.
  - The energy cycle of the manifest singularity functions in the right-handed antiparallel DNA double helix mode contributing to major energy needs of the cosmos in positive entropy. This double helix mode sustains biological ‘life’ & is synonymous with energy / “existence”.
  - As per bio chemistry all the molecules of organisms, bacteria, fungus etc. are in the right-handed cork screw mode.
  - At the cosmic level, the energy of the manifest singularity is dissipated by the pair elements in the universe during the first half of the evolution energy cycle. In the second half the cycle the charged energy by the pair elements after their attraction does not match the same that was dissipated, due to subtle mass asymmetry between the pair elements.
  - This subtle asymmetry accounts for the long evolution span of 13.8 billion years so far with depleting energy. The evolution will culminate without energy/effulgence in a big freeze.
  - At the local level, the pair elements get cyclically charged & discharged by the fifth force in all the entities. During one half of the cycle, they dissipate their energy in the environment & in the other half they conserve energy. The conservation is not complete due to CP symmetry depletion in each cycle. -positive entropy. The cycles carry on till the cessation of antimatter in evolution zone contributing to spatial disparity .
  - The manifest singularity makes a full clockwise rotation about its axis keeping the totality of the pair elements in repulsive space/time expansion in the macrocosm with depleted CP symmetry / effulgence. The evolution culminates with the big crunch.
  - The fifth force attracts pair elements from macrocosm without energy in parallel mode.
  - Subtle antimatter fills involution zone & gross matter remains at microcosm inner without spatial parity.
  - In the parallel mode the pair elements are always in attraction conserving their vitality. Negative entropy
  - Both pair elements are negatively charged. Matter being more gross than subtle antimatter, singularity gets the differential low vitality charge in each crunch.
  - Singularity receives its vitality in crunches since the evolution vitality is absent during involution.
  - Matter from microcosm gets into the involution zone

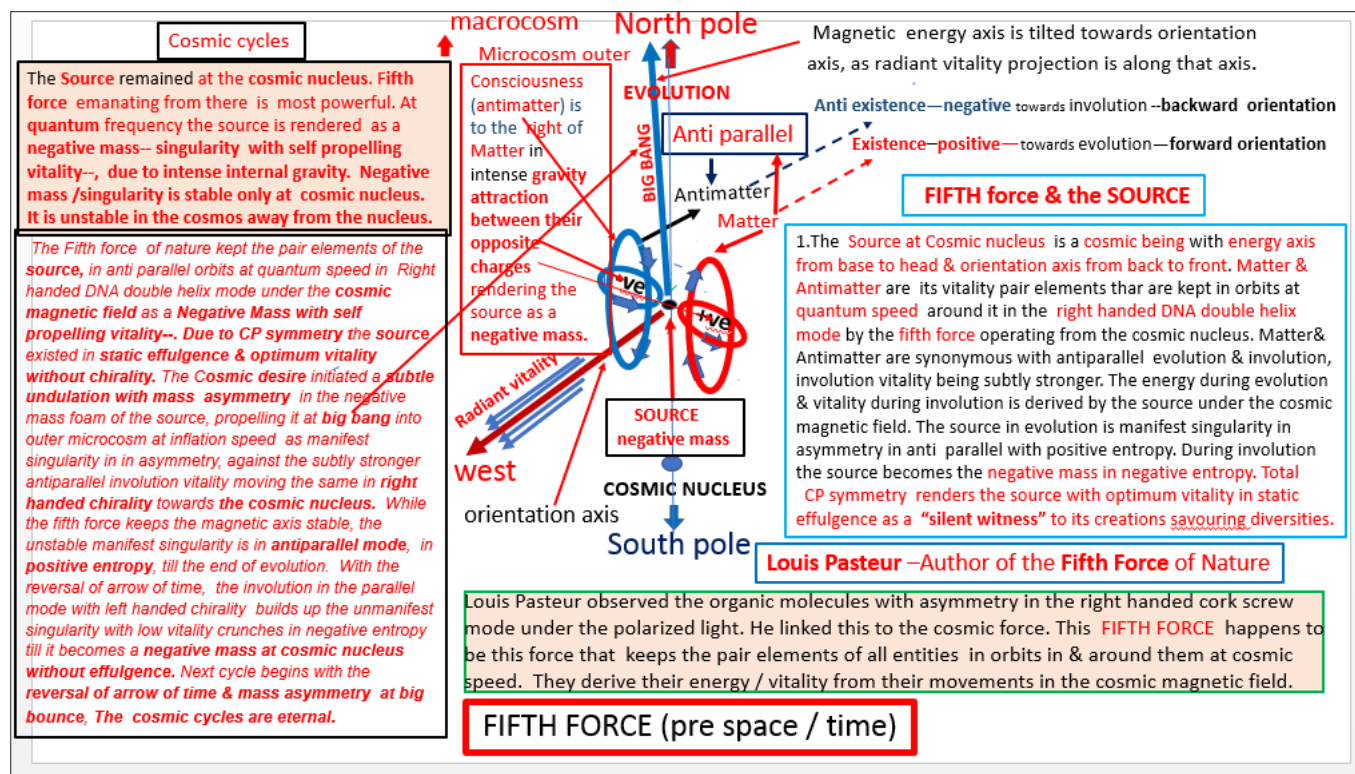
- improving its spatial parity. But the increase in CP symmetry of the singularity depletes crunch effulgence.
- Horizontal orbits produce low vitality crunches In Left-handed chirality under cosmic magnetic field.
  - Vertical orbits move singularity towards the cosmic nucleus crunch after crunch under the fifth force,
  - Singularity is in low vitality vortex to cosmic nucleus in the anticlockwise mode.
  - This vortex compacts the singularity against the cosmic nucleus as Reverse Mass foam.
  - Improving CP symmetry of singularity in parallel mode depletes crunch vitality/ effulgence in steps.
  - The final involution crunch before singularity attains CP symmetry is without effulgence.
  - Big bounce initiates new cycle starts with subtle mass asymmetry.
  - The arrow of time reverses.
  - Cosmic cycles are eternal with their own momentum.
  - The fifth force cyclically charges the pair elements with low vitality crunches at low frequency in the parallel mode. In this mode the vitality—anti energy is conserved since the pair elements are always in attraction without dissipation. The unmanifest singularity recuperates the vitality in negative entropy with space / time consolidation / contraction towards the cosmic nucleus, in the left-handed parallel DNA double helix mode, that builds “ANTIGENS” that builds immunity to sustain life with vitality.
  - Anti parallel mode during evolution produces proteins & sustains life with energy & the parallel mode during involution produces antigens (immunity vitality) & sustains vitality in low vitality crunches in involution.
  - Louis Pasteur visualised asymmetry in organisms under polarised light & also envisioned the link between micro & macro level. He then becomes the author of the fifth force of nature.
  - As the DNA science reflects nature at micro level it can resolve all the puzzles in cosmic level.
  - While the pair elements of the manifest singularity function as dipole conductor in the evolution process dissipating energy in disintegration, during the involution process they act as dielectric material getting cyclically charged with lower frequency/ vitality crunches, into a negative mass in negative entropy.
  - The unmanifest singularity makes one full anti clockwise rotation about its magnetic axis drawing all the gross matter from the inner border of the microcosm into the involution zone culminating the involution process.
  - -The big crunch initiates the involution, a “cold fusion” process as against the big bang that initiated the evolution with momentary ‘hot fission’. The necessary process requirement for the creation of ‘cold fusion’ vitality with negative entropy—negative mass with immense vitality, as in the involution process, is a pair of asymmetric matter & antimatter without

- vitality acting as a dielectric dipole functioning in the parallel DNA double helix mode under the cosmic magnetic field i.e., as a dialectic that gets progressively charged during successive vitality crunches in an environment of superconductivity
- Involution (vitality build up) & evolution (energy dissipation) modes reflect spatial parity CPT theorem
  - The fifth force of nature accounts for reversals of cosmological arrow of time sustaining the cosmic cycles.
  - In short, the cosmos is a complementary pair of manifest singularity & universe. The C symmetry of the Manifest singularity progressively depletes. While it gives static stability to the manifest singularity the P symmetry of the universe, namely the balancing of all active (female) & passive (male) traits is continuously sustained giving dynamic stability to the worldly environment where the human beings as co-creators exist savouring the diversities. The CPT theorem postulates overall symmetry conservation. T symmetry is reflected by entropy. Hence the CP symmetry / energy of cosmos is time dependent.
  - The CP symmetry of various masses of the universe exist in a variety of modes depending on their disintegrations from the manifest singularity, providing diversity.
  - The ceaseless interactions of the pair elements sustaining the P symmetry of the universe through complementarity contribute to the basic day to day dynamic stability order / harmony of the universe.
  - Life springs out of all the sentient & non sentient vibrations that sustain this compatibility, this being the fundamental operating principle of the source of creation.
  - Total symmetry is a static phenomenon. Asymmetry in the anti-parallel mode is the essence of existence & the fifth force of nature governs the cosmos in righthanded cork screw mode during the evolution.
  - There exists an “intelligent design” in nature that governs the cosmic cycles. The CPT theorem validates the ‘cosmic cycle’ model.
  - The fifth force governs the righthandedness in anti-parallel mode during evolution & left-handed ness in parallel mode during involution giving eternal momentum to the cosmic cycles.
  - Rest is mathematics / science.

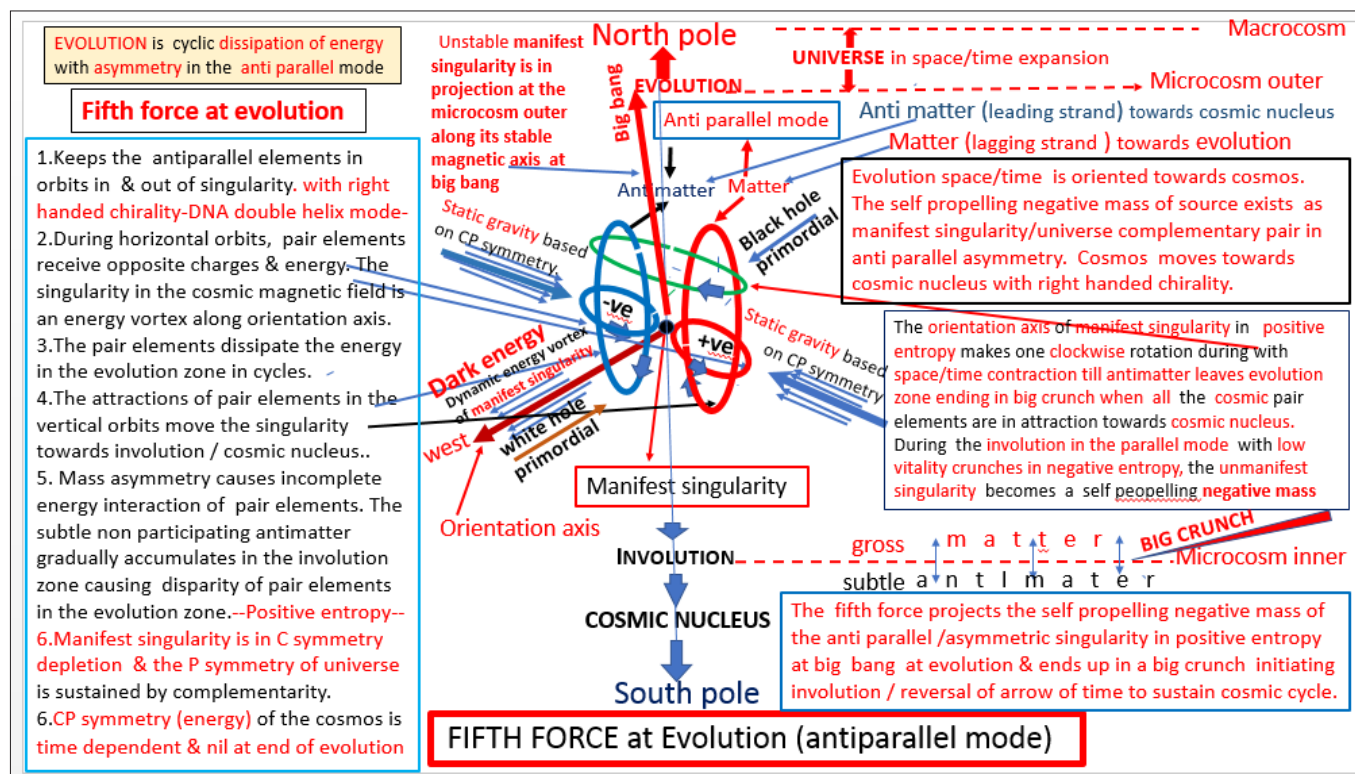
### Cold fusion

Creation of singularity with self-propelling vitality negative mass  
The big crunch begins the involution, a “cold fusion” involution process while the big bang initiates the ‘hot fission’ evolution process. The necessary process requirement for the creation of ‘cold fusion’ vitality with negative entropy. Reverse Mass with self-propelling vitality, is a pair of matter & antimatter in asymmetry, without vitality getting charged in the parallel DNA double helix mode at quantum frequency, in an environment of superconductivity.

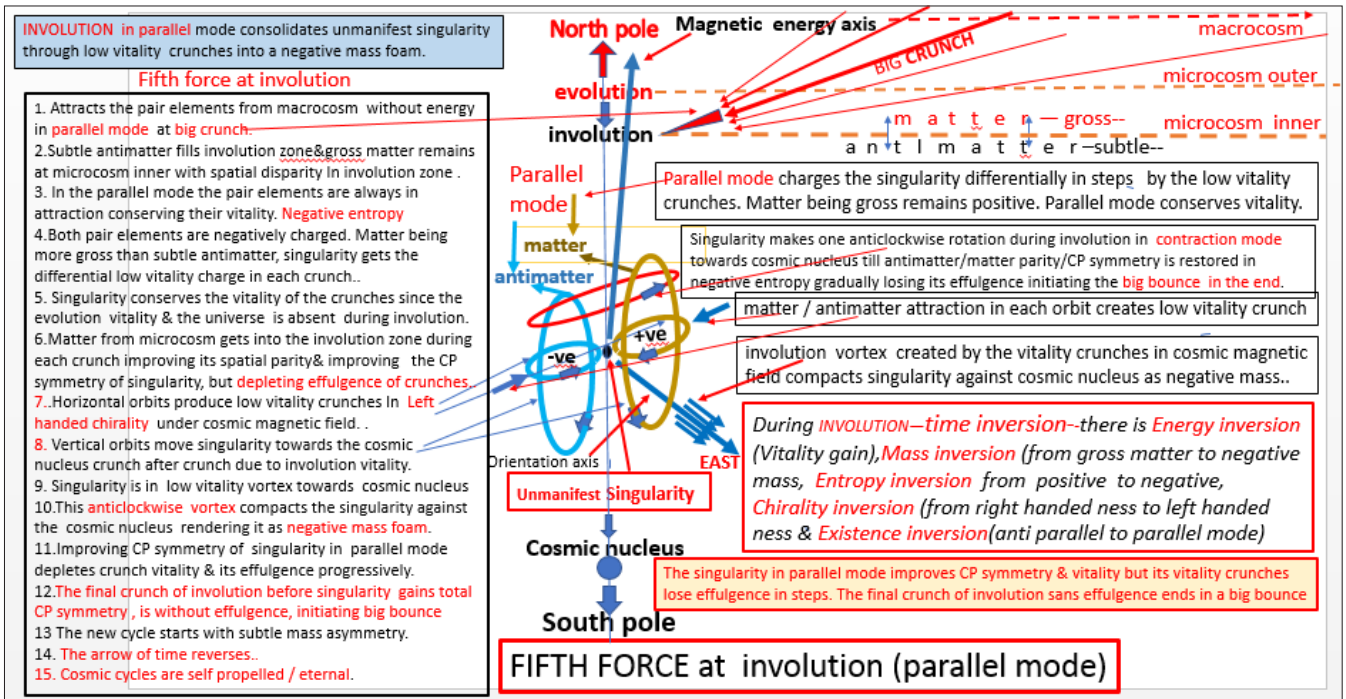




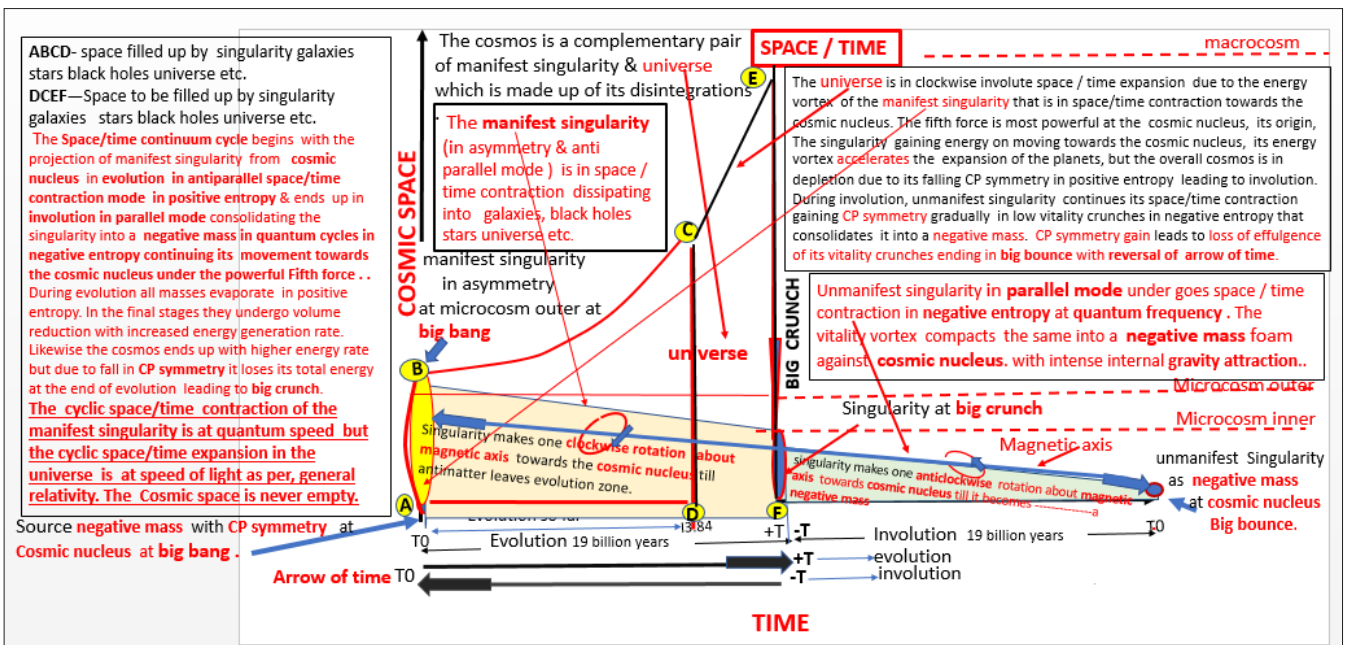
Graph 0



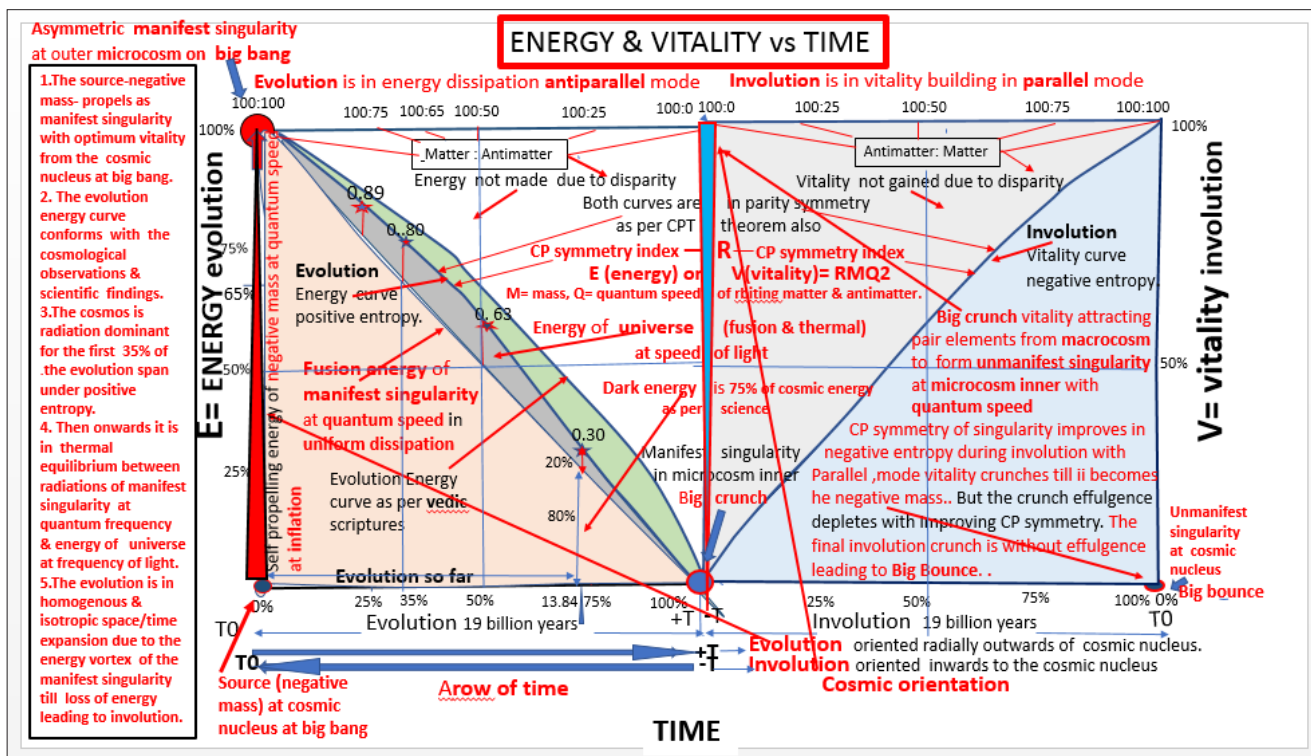
Graph 1



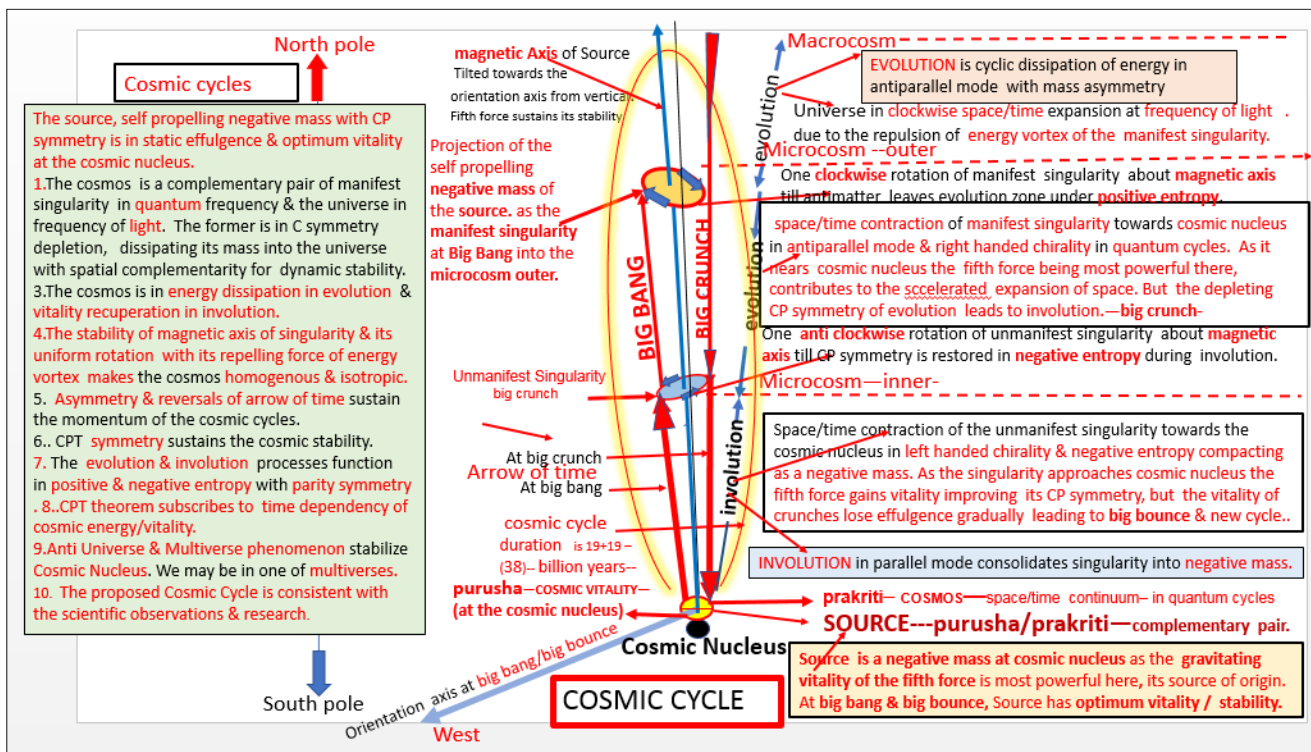
Graph 2



Graph 3



Graph 4



Graph 5

The following cosmological observations need explanations. The fifth force provides apt explanations.

- There is a subtle mass asymmetry from the origin. This asymmetry is a necessary precondition for manifestation / mobility. It has to be treated as the necessary operating parameter of nature.
- There is a progressive disparity between matter & antimatter. Due to mass asymmetry between the pair elements the one-to-one strong interaction between them in each cycle is not complete with the progressive accumulation of subtle antimatter synonymous with involution in the zone of involution.
- The big bang has dissipated the primordial singularity into various parts the universe that is undergoing space / time expansion after a brief period of inflation. The manifest singularity being a negative mass in effulgence undergoes instant space/time expansion in repulsion mode during its projection at big bang & settles down to stable effulgence at the outer border of the microcosm as the manifest singularity by the fifth force. It progressively deteriorates due to entropy during evolution. The universe is in expansion due to its forces of repulsion.
- The dark Matter contributes to the major energy needs of the cosmos. Dark matter is the manifest. singularity that contributes that energy & the universe exists as its complementary partner.
- After big bang the Universe has settled as particles with gamma radiations in stability. The Source was in effulgence due to the fifth force & this effulgence continues in the manifest singularity.
- During the inflation period there was a force of repulsion acting against space time expansion of the cosmos. This fifth force moves the manifest singularity gradually towards the cosmic nucleus accounting for this repulsion.
- Galaxies / Black holes are formed due attraction of the masses of the universe due to their gravity. They are the disintegrations of the static manifest singularity undergoing C symmetry depletion.
- Different black holes with varying parameters attract all the entities in their surroundings contributing to the emission of radiant energy through the white holes at intense speed. The black holes are coherent masses dissipating from the deteriorating Dark Matter—the manifest singularity in progressive dissipation due to positive. entropy. The fifth force accounts for their high intensity energy vortex attracting all surrounding entities & emitting radiant through white holes.
- The universe is in accelerated expansion. While the galaxies move away from the manifest singularity, the fifth force of nature keeps the same moving gradually towards the cosmic nucleus with a clockwise step by step motion along its magnetic axis. As the singularity advances towards the cosmic nucleus the fifth force gives increasing vitality to the manifest singularity accounting for accelerated expansion of the planets / stars etc. The evolution will end up in a collapse namely with the intense attraction between the pair elements big crunch—This intense attraction occurs only t big bang, big crunch & big bounce when the pair elements lose their effulgence. At big bang \* big bounce it is due to total Cp symmetry & at big crunch due to loss of CP symmetry.
- The energy of the cosmos is based on  $E=MC$  squared, where M is the mass of matter & antimatter with CP symmetry. This equation only establishes the energy equivalence of matter. As the evolution progresses the antimatter synonymous with involution accumulates progressively in the involution zone

depleting CP symmetry of the mass of the evolution zone. The energy of the evolution zone is time. There is moment to moment energy depletion during evolution accounting for its positive entropy.

- The cosmos was radiation dominated till the energy of big bang annihilations subsided. Then onwards the cosmos is in thermal equilibrium. i.e., the ratio of radiant energy & mass energy in the universe is sustained for the past 7 billion years or so. In spite of this equilibrium the evolution will culminate in a big freeze due to positive entropy.
- The second law of thermodynamics does not subscribe to the cyclic model. The CPT theorem subscribes to cosmic reversal of the arrow of time at big bang, big crunch & big bounce & the cosmic cycle model.
- All the manifestations replicate their salient imprints from the source of origin—DNA science. The DNA replications preserve the ‘oneness character’ of the source in the universe for sustaining its stability.
- The science is yet to establish the unification of forces. The fifth force of nature unifies all the known forces.

The fifth force leads us to the following new concepts

1. Evolution is a process of dissipation of cosmic energy in the antiparallel mode with positive entropy.
2. There is a linkage between the DNA Double helix at micro level & the cosmic energy cycle at macro level.
3. Universe & manifest singularity are complementary partners. Manifest singularity is in reality the dark matter.
4. There is a need for a universal energy equation,  $E=RMQ$  squared, where R is the CP symmetry index & Q the quantum speed of orbiting matter& antimatter.
5. The fifth force brings about the reversal of cosmic arrow of time at big crunch & big bounce sustaining the momentum of the comic cycles.
6. Involution is process of consolidation of the Reverse Mass in negative entropy in the parallel mode.
7. The ‘cosmic cycles’ are eternal.
8. Life’ springs up in all “cause & effect” interactions of nature that balance all the active & passive traits for harmony with dynamic stability.

#### Logic behind the above analysis

The assumptions that lead to the ‘cyclic model’ reflecting the day-to-day cyclic routines of nature are subject to open & meaningful investigation by objective science while at the same time pave the way for optimism in the mind of a common man. Optimism breeds healthy minds.

#### References

1. The entire thesis is based on the concept of a linkage between the linkage between the micro level activity in the DNA level & the macro level activity of the cosmos.
2. This linkage was envisaged by Louis Pasteur about which I have referred to in the article & the Graphs.
3. The DNA double helix is a scientifically established reality.
4. The big bang is based on the assumption of the cosmic singularity giving birth to the formation of the universe.
5. I am trying to link the pre space/time source singularity with the FIFTH force functioning on the basis of the DNA double helix & extend the logic envisaged by Louis Pasteur.
6. The Cosmic Space is magnetic & this generates the energy for the Cosmos during evolution & vitality during involution.
7. Once the fifth force reflecting DNA double helix is conceived (as has been envisaged by Louis Pasteur & further extended

- by my logic), the Cosmic activity has to carry on eternally as per the forces of nature already established by science.
8. I have given the graphical representation of the fifth force during pre-space/time, evolution & involution.
  9. The eternity of the cosmic Cycle is natural phenomenon that has to carry on according to established scientific parameters.
  10. This concept is in conformity with the cosmic observations through telescopes.
  11. A cycle by cycle analysis of the fifth force during the cosmic cycle is given in my article.

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