

One Reality of Universe within Universe

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INTRODUCTION

This paper delineates A Systems View of One Reality of the Bounded Universe (FTPRDNBU) within Unbounded Universe (IEVACXUU) delineating its Size, Structure and Soul and Our Special Status on the Privileged Planet EARTH. It builds upon a previously presented and published paper at an NPA forum by the author with a similar title [1]. As this title implies, it is based on the premise that there is only one reality in-here and out-there notwithstanding multitudes of perceptions thereof. Accordingly problems in theory and practice of sciences cannot be solved without solving the problems in theory and practice of spirituality and vice versa. It includes sound-bites, a potpourri of One Reality NOW (Nuggets of Wisdom), TPM (This Probably Means) corrections and questions. There are no taboo topics or sacred cows. One Reality ignores man made boundaries of knowledge domains or credentials of the originator of a particular perception of reality. Any contradictions are purged from One Reality by employing familiar mathematical techniques such as LCM (Lowest Common Multiple) and HCF (Highest Common Factor) amongst others. No problem is an island. The problems of science cannot be solved without solving problems of spirituality and vice versa. No problem can be solved in isolation. The author supports his position by examples from a wide range and variety of sciences and spirituality. The only chance for solving the 'One Reality' jigsaw puzzle is by sharing the pieces of the puzzle from all sources and knowledge-domains of 'But ONE Reality'. Since this paper makes extraordinary claims, it concludes with ideas for obtaining extraordinary evidence as agenda for my peers and posterity. In the meantime this is my two cents worth of paper-trail.

The universe by definition is one (Universe = All that there is) within what existed prior to its creation ex nihilo and sua sponte. Universe within firmament is one (FTPRDNBU) but what ever existed before it, is euphemistically named universe without

firmament (IEVACXUU). Fact is stranger than fiction but one reality is far more bizarre than even quantum physics, particle zoo, epigenetics and epi-epigenetics, near death experiences, sleep and dream research and neuroscience of parasites. Bounded Universe within Unbounded Universe in this context refers to FTPRDNBU (Finite Temporal Physical Relative Digital eNtropic Firmament Bound Universe) within IEVACXUU Infinite Eternal Virtual Absolute, Continuous eXtropic Firmament Free Universe) as shown in Fig-1.

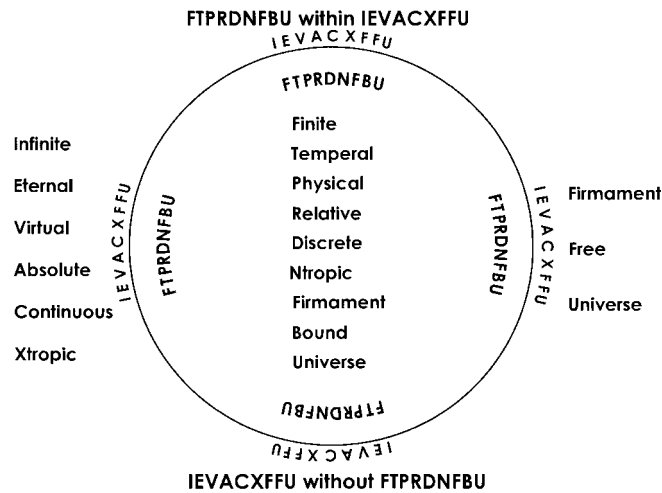


Fig.1. FTPRDNBU within IEVACXUU

One Reality is like quantum physics' correlated pairs of particles, which can be one here and one there or both now here or both no where. One reality is elusive, enigmatic and multifarious just like quantum physics, epigenetics, OBNDE (Out of Body Near Death Experience) and neuroscience of parasites. One Reality like quantum physics is virtual, now you see it and now you don't, now here then no where. We see virtual as real and real as virtual. It's like magic what you and I see in (FTPRDNBU) is not real and what is real (IEVACXUU) we do not see. Magic is what magicians do in FTPRDNBU. Miracles are what inspired men of Creator God do in FTPRDNBU, which is an attribute, right, responsibility and power of the sacred IEVACXUU.

In this paper I humbly present with great humility and meekness my perception of one reality which is no better than anybody else's (7 billion plus) and by the same token my

perception is also entitled to be reviewed by my peers and posterity and therefore I am anxious and excited to create this paper trail. Some might even ask who the **(06 15 03 0B) [2]** does he think he is? I think I am a child of Creator just like anyone else with sufficient self-confidence. From worldly perspective I am no body of course, but there is a first time for everything. History is replete with examples when the insights and break-throughs for certain inventions and innovations came not from within but outside the field by application of lateral thinking and latent blessings. In this paper I boldly tackle perennial, most controversial and complex issues which have eluded experts over many centuries as can be readily gleaned by perusing the sub-topics of this paper. In spite of my focus on One Reality in this paper I attempt to explain spiritual issues in the vocabulary of science and vice versa. Finally I am mindful that this is still a work in progress and it is my fervent hope that NPA will pass on this responsibility to the younger generation to whom it affects the most.

ASSUMPTIONS

My world view assumes - there is but one reality. Problems of science(s) cannot be solved without also solving problems of spirituality and vice a versa. Experts in all knowledge domains must share their pieces of the Jig Saw Puzzle in order to have any chance of solving the puzzle of the elusive one reality. While many tools are available for this challenging task, cooperation among all segments of the society is a prerequisite. Problems cannot be solved piecemeal. I also assume all errors are not restricted in any subset of domains of knowledge. My basis/rationale for this assumption is that the source of all errors is limitations of the human faculties quite independent of the knowledge domains, protocols of investigation and even the credentials of the experts. Yet another assumption I make is that the conflict if any is always between good and evil and not between sources and silos of knowledge. The basis for this assumption is rooted in relativity of the FTPRDNBU, as anything good can be made to look and feel bad by comparing it (good) to something better and conversely anything bad can be made to look and feel good by comparing it (bad) to something worse. Finally I assume One Reality is independent of democracy, theocracy and 3P8S limitations.

ACRONYMS & DEFINITIONS

1. **3D** - Three spatial dimensions of anything physical - Three orthogonal dimensions (generally in Cartesian coordinates) of everything physical and tangible discernible by man and his machines. Three dimensions in Cartesian coordinates are x, y and z axes and their corresponding planes 7 concomitant space
2. **3M** - Mass, Motion and/or Moment(s) of Time (Ticks of clock or swings of pendulum)
3. **3P** - Perception, Processing and Presentation
4. **3T** - Time, Temperature and enTropy
5. **4E** - Everybody, Everything, Everywhere and Every-time.
6. **8S** – Eight Senses - Five senses of body and brain (Hear, See, Smell, Taste and Touch) that we leave behind at death, 6th sense of body and brain that survives the death, 7th sense of Mind and Soul (aka Intuition) and 8th sense of Spirit and Intelligence but not everybody is in touch with 7th and 8th senses.
7. **Absolute Infinity**: Synonym of absolute zero – beyond human comprehension as contrasted from infinitude or relative infinity that prolific mathematicians expound upon (aka dimension infinity)
8. **Absolute Zero**: Absolute zero does not exist except as a synonym of absolute infinity. Human understanding is limited to this relative zero or infinitesimal (aka dimensionless)
9. **Anthropic**: Intelligent design of planet earth for man the by Creator, sua sponte and ex nihilo.
10. **Anthropocentric**: Design and management (micro and macro) of the universe to optimize everything with man as locus, focus and central purpose of all creation.
11. **Anthroptimum**: Contraction of Anthropic and Optimum; Subset of Panthroptimum: Seamless and invisible optimization by patent and latent micro and macro management.
12. **BB** - Basket Ball containing the entire universe
13. **BU** – Bounded Universe (aka FBU - Firmament Bounded Universe)
14. **Death**: Discarding of L4 Body by L3-1 body, soul and spirit.
15. **EEG** – Electroencephalograph (Electro Encephalo Graph) that senses, measures and records electrical activity of the brain during sleep and dream.

16. **Energy:** Ineffable like infinity and Nihility. Intangible sources of forces. Everything has some inherent energy when fully expended, it vanishes out of physical existence from FTPRDNBU into nothingness/infinity of IEVACXUU
17. **eXtropy:** Opposite of Entropy - Non-oxymoronic antonym of entropy where cumulative vectorial integrative sum (obtained by integral calculus) of the two (Extropy and Entropy) determines quality and quantity of life of everybody between birth and death.
18. **Firmament:** Sky, Heaven(s) - a sphere of radius 10^{40} meters – a transparent, invisible, untouchable, uncross-able boundary in which the 4E of created universe FTPRDNU is housed.
19. **FTC** – Freedom To Choose between poles of any polarity such as right/wrong, good/evil, SOG/WBG.
20. **FTM** – Free to Move
21. **FTPRDNBU** – Finite, Temporal, Physical, Relative, Digital, eNtropic Firmament Bound Universe (negligible subset of IEVACXUU)
22. **Gravity:** The equal and opposite reaction to any and all uncompensated orbital (hybrid linear and angular) acceleration, however caused, in three orthogonal frames of references.
23. **GM6QM** – Taxonomy of four types of questions inter alia to amaze inform, educate, entertain, think and impress.
24. **Human-Scale** – Human range of perception, processing and presentation (10^{-10} to 10^{10} m) in our world of FTPRDNBU (10^{-40} to 10^{40} m)
25. **IEVACXUU** (Infinite Eternal Virtual Absolute Continuous, eXtropic Firmament Free Universe (a superset of FTPRDNBU)
26. **Infinitesimal:** As close to zero as humanly possible imaginable or comprehensible (aka relative zero as contrasted from absolute zero)
27. **Infinitude:** As close to infinity as humanly possible, imaginable or comprehensible (aka relative infinity as contrasted from absolute infinity)
28. **Infinity:** absolute infinity, reciprocal and mirror image of Nihility – supra-meter seal of creator.

29. **Light** : - Part of electromagnetic spectrum in human scale perceptible to human eye and brain. Opposite of darkness; Subject to aberration, bending, deflection, diffraction, reflection, refraction, scatter, lasing, masing and more, as contrasted from Virtual Light.
30. **Manual-Scale**: Man's range (10^{-10} to 10^{10} m) of perception, processing and presentation in our world of FTPRDNBU. 10^{-40} to 10^{40} m.
31. **Mass**: The unit-less sum of (all protons electrons and neutrons) of all the atoms in the physical and tangible "stuff" (Atoms, molecules, cells, plants, pets, people, planets, moons, stars, galaxies, clusters of galaxies in any mix of solids, liquids, gases and plasmas) Mass of the universe is $< 10^{100}$ gms.
32. **Mass Reduction**: Proportionate reduction in mass of each atom as a function of Delta V [Deviation from V_N – nominal natural velocity $(0.00123)c$ – the speed limit].
33. **Matter**: Tangible, physical stuff perceptible by 3P8S and their extensions.
34. **Mersenne Prime**: Named after French Monk Marin Mersenne – a positive integer prime number one less than the power of two.
35. **Nano-scale**: 10^0 to 10^{-9} meters
36. **Nanozeptoscale**: 10^{-30} to 10^{-40} meters
37. **NDE** – (Near Death Experience) – OBE(Out of Body Experience) without light and tunnel encounter - (Near misnomer for RDE)
38. **Neutron** : - Proton and electron integrated into a single particle in the nucleus of an atom.
39. **Nihility** : – The reciprocal and mirror image of infinity – The concept of nothingness or absolute zero as contrasted from relative zero, infinitesimal, place holder, multiplier, and divider by an order of magnitude, symbol and value of base n number system. It is also sub-meter seal of the Creator
40. **NRDE** – Non-Return from Death Experience (aka death)
41. **Orbital Motion**: any motion in any orbit from variable from radius infinitesimal to infinitude.
42. **OBNDE** - Out of Body Near Death Experience in medical trauma centers, accident sites and serious surgery centers such as exposed or open heart surgery (aka OBE)

43. **Panthroptimum:** Contraction of Pan + Anthropic + Optimum; Superset of Anthroptimum: Seamless and invisible optimization by micro-management and macro-management concurrently.
44. **Panthroptimality:** (Contraction of PAN + ANTHROPic + OPTIMALITY)
45. **Paradigm:** Highest principles guiding development of a knowledge domain.
46. **Physical:** tangible, touchable by man or his 3P8S faculties with or without extension(s) of instrumentation (aka mass, stuff)
47. **PP** – Ping Pong ball containing the solar system and the Milky Way.
48. **Primes:** Short for prime numbers – cannot be factorized.
49. **PVS** – Persistent Vegetative State of a patient on life support.
50. **Qua2Qua:** Size of the universe from QUAsars to QUArks or quarks to quasars.
51. **RDE** – Return From Death (clinically declared as brain dead) Experience and or OBE with light and/or tunnel encounter.
52. **Rectilinear:** Any motion in a straight line
53. **REMatonia:** Paralysis during REM (Rapid Eye Movement) sleep to protect us from acting out our dreams. Also night mares are an aspect of this phase and phenomenon.
54. **Rotational:** Motion in which Center of Gravity does not shift (orbital motion with $r = 0$)
55. **Sacred:** Pertaining to the Unbounded Universe (IEVACXUU).
56. **Sacrifice:** Giving up something good now for someone else for something better later for your-self.
57. **Simulation:** A visual intangible model generally implemented in software
58. **Sound Bite:** (audio) as used by the main stream media
59. **Sound Byte:** (Digital version of sound bite)
60. **Sub-meter Scale:** Human range of perception, processing and presentation in our world of FTPRDNBU up to 10^{-40} m.
61. **Subnanoscale:** 10^{-10} to 10^{-20} meters
62. **Supra-meter-Scale:** Human range of perception, processing and presentation in our world of FTPRDNBU up to 10^{40} meters
63. **TB** – Tennis Ball with PP and Virgo (local and super clusters)
64. **Term of Art:** Any word which has acquired a different meaning in any art, profession, trade, culture or venue.

65. **Time:** Distance traversed divided by speed or velocity of a body in motion.
66. **Time Dilation:** Increase in wavelength or stretching (decrease) of frequency or clock ticks further apart – second is longer (antonym/reciprocal of time contraction)
67. **Translational Motion:** Rectilinear motion in which a body moves in a straight line.
68. **UFU** – User Friendly Unniverse
69. **URL** – Universal Relationship Law comparable in scope to Newton’s Universal Gravitational Law
70. **UU** – Unbounded Universe (aka FFU – Firmament Free Universe)
71. **UVLM** - Universal Virtual Light Medium UVLM – Universal Virtual Light Medium not to be confused with aether. It is a special kind of Light that does not interact with physical i.e. not subject to aberration, bending, distortion, deflection, diffraction, freezing, reflection refraction, scatter, lasing and masing, etc.
72. **Weight:** Mass times Gravity - wherein mass is the sum of atomic weights (unit-less number as sum of weight of all the electrons, protons and neutrons). Unlike mass weight has units of force same as units or dimensions of acceleration. Naturally a vector (magnitude and direction) and not just a scalar (magnitude only) variable. It is Force = Mass X Gravity (or Acceleration per Newton’s 2nd Law)
73. **Unitary Whole:** Universal unitary whole wherein any part has all the attributes of the whole including the attribute of infinity and Nihilility.
74. **Xntropy:** Net (Extropy Entropy differential)
75. **Zeptoscale:** 10^{-20} to 10^{-30} meters

SEAL OF THE CREATOR ON 4E OF BOUNDED UNIVERSE

Just as most Americans have a unique number (social security number); Creator also has a unique number (signature, fingerprint). It is in two parts. Figure 2 shows the seal, signature or fingerprint of Creator. Above the line of equal signs is supra-meter and below it is the sub-meter signature or Thumbprint of Creator. The supra-meter unique number signature is absolute infinity. It is formed by repeating the sequence of numbers 1-9 for ever (or till you drop dead which comes first). Likewise the number representing the sub-meter signature begins with a decimal point 0-9 and again repeated forever. These two

numbers are reciprocal as well as mirror images of each other. The numerator and denominator represent infinity and Nihility respectively.

Supra-meter Signature of Creator

1 2 3 4 5 6 7 8 9 (R9-∞)

=====

Sub-meter Signature of Creator

.1 2 3 4 5 6 7 8 9 (R9-∞)

Fig. 2. Seal and Signature of Creator

One part for supra-meter scale and the other part for sub-meter scale as shown in Fig-2. Even though Creator has a number, he addresses every particle in the universe by name and not by its unique number or unique characteristics. Needless to say Creator knows and can address every one of us by name and Creator also prefers to be addressed by one of his many names including Father-in-Heaven, OM, I Am, Allah, The Law, Elohim, Infinite, Nothing and countless more. Following are some of the examples where signature/fingerprint of Creator is unmistakable.

- a) Speed of the earth 370.37037(3R) km/sec direction Aquarius to Leo.
- b) GPS correction to satellite clocks by 38.4 microseconds/day time dilation before launch
- c) Big Bang of 137 billion years or some multiple or fraction or derivative thereof but not 13.7 giga years (US billion) nor .0137 (French or UK) billion.
- d) Other examples of number of Creator are in the equation:

$$e^{i \cdot \text{pai}} - 1 = 0, \text{Phi} = 1/\text{phi} = \text{phi} + 1$$

$$\text{Phi} = (\text{Sqrt}5 + 1)/2 = 1.618033989 \text{ and}$$

$$\text{phi} = (\text{Sqrt}5 - 1)/2 = 0.618033989$$

Primes (especially Mersenne primes), Golden Ratio, Fibonacci sequence and fractals. Contrary to dictionary definition and intuition absolute one [1.0(R)], Nihility and infinity are also primes.

- e) Like speed of light c limit there is uncross-able boundary between 9.9(R) and 10.0(R) as the twain (like infinitesimal and infinitude) never meet.

f) It also appears in light speed limits of six levels of the universe. Three for the supra-meter space are shown in [Fig. 3a](#) and three for the sub-meter levels are depicted in [Fig. 3b](#). There are numerous other derivatives of signature of Creator with endless fractal symmetry. Following are but a few exemplary illustrations:

1. $123456789 \times 3.3(R) = 4115226$
2. $123456789/3 = 4115226$
3. $123456789 \times 3 = 370(R3)$
4. $123456789/3.3(R) = .370(R3)$
5. $.123456789 \times 3 = .370(3R)$
6. $.123456789/3.3(R) = .0370(3R)$
7. $.123456789 \times 3.3 = 4115226$
8. $.123456789/3 = .04225226$
9. $3.3 \times 3 = 9.9(R)$
10. $3.3(R) \times 3.3(R) = 11.11(2R)$
11. $3 \times 3 = 9.0(R)$
12. $3.3(R)/3 = 1.1(R)$
13. $(370,370)^0 = 1$
14. $\{370,370(R3)\}^1 = .370(3R) \times 10^6$
15. $\{370,370(R3)\}^2 = 13.717421 \times 10^{10}$ (137 U.S. Billion)
16. $\{370,370(R3)\}^3 = 50.8052 \times 10^{15}$
17. $\{370,370(R3)\}^4 = 18.816,764 \times 10^{21}$
18. $\{370,370(R3)\}^{-1} = (2.702(3R) \times 10^{-6})$
19. $\{370,370(R3)\}^{-2} = (.0729) \times 10^{-10}$
20. $\{370,370(R3)\}^{-3} = (.019683) \times 10^{-15} = .02 \times 10^{-15}$
21. $\{370,370(R3)\}^{-4} = (.0531441) \times 10^{-21}$
22. $C^1 = 3 \times 10^8 \text{ m/s}$ and $C_1 = 3.3(R) \times 10^9 \text{ m/s}$ and $C^1 \times C_1 = 1$
23. $C^2 = .1 \times 10^{15} \text{ m/s}$ and $C_2 = 9.0(R) \times 10^{15} \text{ m/s}$ and $C^2 \times C_2 = 1$
24. $C^3 = .0411 \times 10^{21} \text{ m/s}$ and $C_3 = 24.3 \times 10^{21} \text{ m/s}$ and $C^3 \times C_3 = 1$
25. $C^4 = .0152 \times 10^{27}$ and $C_4 = 65.609973 \times 10^{27}$ and $C^4 \times C_4 = 1$
26. $C^0 \times 1/C_0 = 1$ and $C^0 \times C_0 = 1$ and likewise $0 \times \text{Infinity} = 1$

An important link between our physical universe (FTPRDNBU) and the virtual universe (IEVACXUU) of which we are but a negligible part is through nothing and infinity.

This unique number signature of Creator or its derivative appears in nature with zeal even with vengeance some mathematicians might say.

NIHILITY AND INFINITY INTERFACE METAPHORS

This topic reminds me of a little girl who was painting. The mother asked, “What are you painting my precious daughter” God she replied non-chalantly. Mother lamented, “But nobody knows what Creator looks like” to which self-confident little girl replied, “They will, when I get done, that’s why I am painting Mom. But wait there is more. Her father was a Psychologist. One day her teacher gave her a rose as Kudos for her exemplary school work. She proudly showed it to her Dad, who counseled her, that such emblems of praise feel good but they are for insecure people and for self-confident children of Creator, they are not necessary. The next day, the little girl returned the Rose to the teacher, with Thanks but no Thanks. The teacher naturally asked for the reason, at which time she related her conversation with Dad.

Many books have been written in FTPRDNBU by men of math about math of men among them some on zero and infinity, but none seem to draw the clear and convincing distinction between infinitesimal (relative zero) and absolute Zero nor between infinitude (relative infinity) and absolute Infinity. While human brain can comprehend or at least imagine relativity, the same comprehension cannot be achieved about IEVACXUU. But I give them A for effort.

1. Greek Oroborus - tail = Nihility and Mouth = Infinity

Refers to both relative $0 = 10^{-40}$ and Relative Infinity = 10^{40}

2. Absolute 0 = .123456789(R9-Repeated forever)
3. absolute Infinity = 123456789 (R9- Repeated forever)
4. Nihility and Infinity are flip side of the same coin
5. Nihility and Infinity are dipoles of a magnet where monopoles do not & cannot exist.
6. Nihility and Infinity are dipoles of electric charges where positive and negative cooperate to create current.
7. Nothing and Infinity are dipoles of a couple where opposite vector forces cooperate to create the moment of couple.

8. Nihility and Infinity are inseparable as there must needs be opposition in all things.
9. The mother of all polarities is 0 and Infinity
10. Nihility and infinity are like dancing or dating partners.
11. Nihility and infinity are equal to and reciprocal of each other.
12. Just as at common law husband and wife were one and one was the husband, Nihility and Infinity are one and one is the infinite.
13. Man cannot comprehend 0 and Infinity but can imagine it till head hurts.
14. FTPRDNUU Infinitesimal= 10^{-40} m ; Vol= 4.1888×10^{-120} m³
15. FTPRDNUU Infinitude = 10^{40} m and Vol = 4.1888×10^{120} m³
16. IEVACXUU 0 = Infinity or Unitary Whole wherein any part has all the attributes of the whole.

Some people erroneously assume that, Creator may have limited man's intelligence but He never limited his stupidity. It's humorous as everyone knows someone who fits this metaphor, but its wrong just the same, because in FTPRDNBU everything is limited including nothingness (or Nihility), infinity, good, bad, intelligence and stupidity or any two poles of polarities, all derived from the mother of all polarities.

SIXTH PROOF OF NIHILITY = INFINITY

Five mathematical proofs of zero = infinity were presented in a previous NPA conference [3]. Following is the 6th proof in that series. All 6 proofs apply to equality of Nihility and infinity, three of which also apply to equality of relative zero (infinitesimal) and relative infinity (infinitude) that we are used to and limited to in the FTPRDNBU, but the other three require entertaining and/or understanding the concept of absolute zero (Nihility) and absolute infinity. The necessity of coining this term Nihility arises from the confusion created by our four uses of zero as follows.

- a) 1st or nth symbol of base n numbering system
- b) Positional multiplier, divider, place holder
- c) Relative zero = infinitesimal
- d) Absolute zero = The concept of nothingness

This 6th proof also fits the modus operandi of previous five proofs and the KISS principle. It is short and simple. This particular proof originates from the unity of Nihilism and infinity. Or infinity X Nihilism = 1

$$N^a \times 1/N^a = 1 \text{ or } N^a \times N^{-a} = 1$$

Substituting a = infinity

$$\text{Infinity} \times \text{Nihilism} = 1 \text{ or } \text{Infinity} \times 1/\text{Infinity} = 1$$

Substituting 1/0 for infinity we get

$$\text{Infinity} \times \text{zero} = 1 \text{ i.e. unity of zero and infinity terminates into one.}$$

$$\text{Similarly } 0 \times 1/0 = 1$$

Substituting 1/ infinity for 0 we get zero x infinity = 1

Proof that unity or product of infinity and zero also leads to 1.

$$\text{Nihilism} \times \text{Infinity} = \text{Infinity} \times \text{Nihilism}$$

Law of commutation a x b = b X a

This commutation principle applies to both relative zero (infinitesimal) and relative infinity (infinitude) as well as to absolute zero (Nihilism) and Infinity (absolute Infinity)

SIZE, STRUCTURE AND SOUL OF THE UNIVERSE

The Universe (FTPRDNBU) is housed in a firmament bubble of radius 10^{-40} to 10^{40} meters, of which 10^{-10} to 10^{10} meters may be viewed as the human scale exploration and 10^{-40} to 10^0 is known as sub-meter scale and 10^0 to 10^{40} as supra-meter scale. Each scale is further divided into plurality of equally spaced log scale geometric segments.

Figure 3a shows the supra-meter space of FTPRDNU divided into four spaces in addition to the space infinity of IEVACXUU and the ground zero where man is stationed. Following subdivisions are arranged in ascending order from ground zero towards space infinity.

- a) Space one extends from 10^0 to $10^{11.1(R)}$ and houses the solar system. The speed limit in this zone spans from V_n to $C^1 = 3 \times 10^8 \text{ m/sec}$
- b) Space two extends from $10^{11.1(R)}$ to $10^{22.2(R)}$ and houses the Milky Way galaxy. The speed limit in this zone spans from V_n to $C^2 = .1 \times 10^{15} \text{ m/sec}$

- c) Space three extends from $10^{22.2(R)}$ to $10^{33.3(R)}$ and houses the Virgo (local and super cluster of) galaxy in addition to the Milky Way. The speed limit in this zone spans from V_n to $C^3 = .0411 \times 10^{21}$ m/sec.
- d) Space four extends from $10^{33.3(R)}$ to $10^{38.8(R)}$ and additionally houses the rest of the observed as well as yet to be observed to the edge of the universe. Unlike the previous motions (Solar System + Milky Way + Virgo local and super clusters – all of which have their locus, focus and fulcrum at the center of the radius) its rotation is with respect the center of the firmament (center of the diameter) as it extends to $10^{38.8(R)}$ meter. The speed limit in this zone spans from V_n to $C^4 = .0152 \times 10^{27}$ m/sec

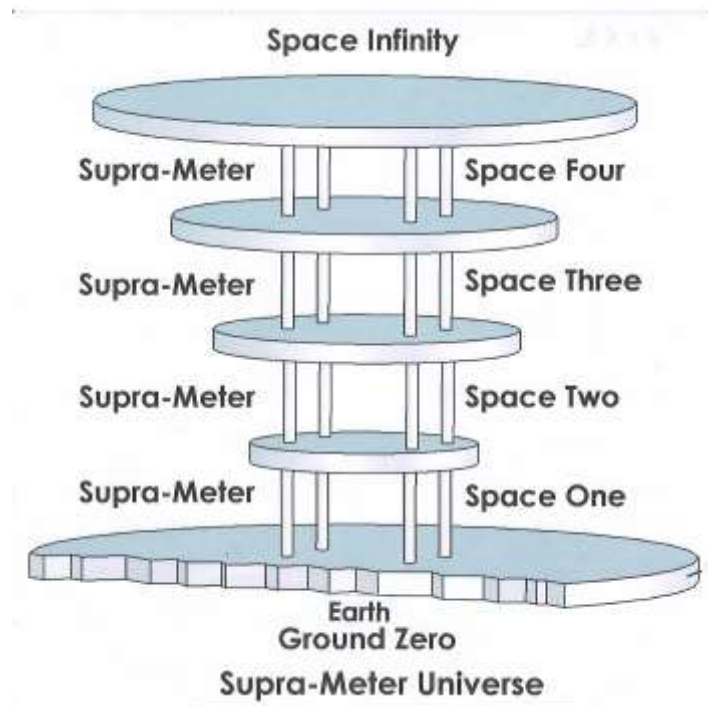


Fig. 3a. The Suprameter Universe

Figure 3b shows four underground sub-meter levels of FTPRDNBU divided into four levels (or chambers) in addition to the level Nihility of IEVACXUU and the ground zero where man is stationed. Following subdivisions are arranged in descending (deepening) order from ground zero towards space infinity.

- a) Level one extends from 10^0 to $10^{-9.9(R)}$ and houses all physical Nano-scale structure including the body we discard at death. The speed limit in this zone spans from V_n to $C_{.1} = 3.3(R) \times 10^{-9} \text{ m/sec}$. The light speed limit $C_{.1}$ is associated with L4 in Fig. 3b.
- b) Level two extends from 10^{-10} to $10^{-19.9(R)}$ and houses all physical sub-nano-scale structure including up and down quarks and electron as lepton. The speed limit in this zone spans from V_n to $C_{.2} = 9.0(R) \times 10^{-15} \text{ m/sec}$. Speed $C_{.2}$ is shown as L3 in Fig. 3b.
- c) Level three extends from 10^{-20} to $10^{-29.9(R)}$ and houses all physical zeptoscale structure including charm and strange quarks and muon as lepton. The speed limit in this zone spans from V_n to $C_{.3} = 24.3 \times 10^{-21} \text{ m/sec}$. The light speed limit $C_{.3}$ is associated with L2 in Fig. 3b.
- d) Level four extends from 10^{-30} to $10^{-39.9(R)}$ and houses all physical nanozeptoscale structure including top and bottom quarks and Tau as lepton. The speed limit in this zone spans from V_n to $C_{.4} = 65.609973 \times 10^{-27} \text{ m/sec}$. The light speed limit $C_{.4}$ is associated with L1 in Fig. 3b.

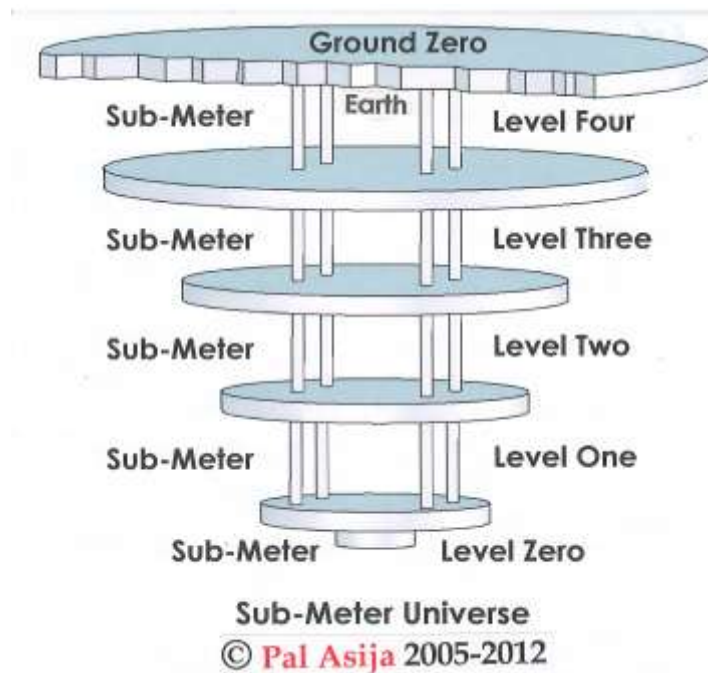


Fig. 3b. The Submeter Universe

Figure-3c shows the famous Greek Oroborus, wherein tail of serpent is represented by 10^{-40} at which point our relative zero (infinitesimal) of our universe within (FTPRDNBU) ends but the absolute zero of the universe without (IEVACXUU) continues.

Likewise the mouth of the oroborus represents our relative infinity (aka infinitude) at 10^{40} meters of our universe within but the absolute infinity of the universe without continues. In other words supra-meter infinity (mouth) swallows up sub-meter infinity or Nihilty (nothingness) represented by the tail at which point in time and space absolute Infinity and absolute Zero become ONE obviating both relative zero (infinitesimal) and relative infinity (infinitude) and metaphorically speaking mission of the universe for man on the privileged planet earth is finished for the current dispensation.

More specifically Fig. 3c shows the Greek Oroborus as adapted for sizes and scales of the universe within universe including human scale. The supra-meter and sub-meter scales of the universe are further divided into eight smaller ranges of 10^5 for sub-meter scale and seven $10^{5.5(R)}$ for supra-meter range to fit in the firmament of range 10^{-40} to 10^{40} meters.

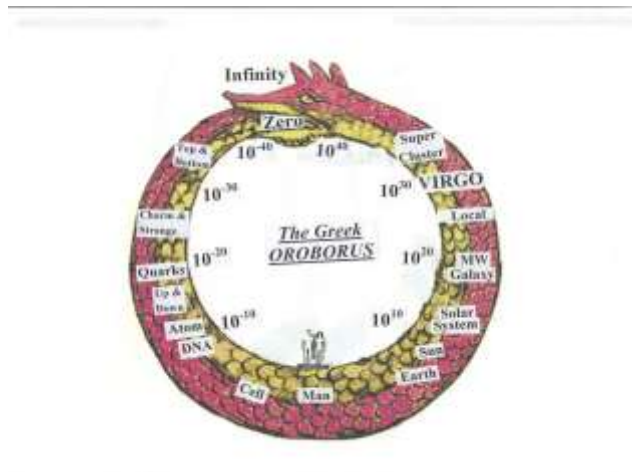


Fig. 3c. The Greek Oroborus

For this reason some students of astronomy prefer to view the divisions as consisting of a total of 8 ranges (instead of 15) each of ten orders of magnitude. The following overview of the ranges is high level view to orient you and will be discussed in detail in context of each use of range in each of the sub and supra meter scales and ranges.

- 1) Nanozepto (10^{-40} to 10^{-30}) representing spirit and intelligence comprising Top and Bottom Quark triplets and Tau as its lepton and Tau Neutrino as its escort partner (aka Positau as its destructive partner counterpart)
- 2) Zepto (10^{-30} to 10^{-20}) representing soul and mind comprising Charm and Strange Quark triplets and Muon as its lepton and Muon Neutrino as its escort partner (aka Posimu as its divorce partner counterpart)

- 3) Sub-nano (10^{-20} to 10^{-10}) representing body and brain that survives death comprising Up and Down Quark triplets and electron as its lepton and Electron Neutrino as its escort partner (aka Positron as its separation partner counterpart as created and observed in some particular types of particle accelerators and colliders all over the world)
- 4) Nano (10^{-10} to 10^0) representing body and brain that is discarded at death.
- 5) Solar System Range (10^0 to $10^{11.1(R)}$) representing solar system in horizontal plane rotating/orbiting along vertical axis.
- 6) Milky Way Range ($10^{11.1(R)}$ to $10^{22.2(R)}$) representing rotational and orbital motion of the Milky Way (which also includes the solar system and the earth) around its black hole as anchor in a vertical plane rotating/orbiting along a first horizontal axis.
- 7) Virgo Range ($10^{22.2(R)}$ to $10^{33.3(R)}$) representing rotational and orbital motion of the local and super Virgo cluster of galaxies whose motion in the other vertical/lateral plane along the other/lateral horizontal axis is also fed all the way back to earth via the Milky Way and the solar system around its black hole as anchor in a vertical plane rotating/orbiting along a horizontal axis.
- 8) Unobserved Range ($10^{33.3(R)}$ to $10^{38.8(R)}$) representing all other motions of the unobserved (which may include some observed motions also) to the edge of the universe. Unlike the previous 3 motions 5-7 which are centered on the midpoint/center of the radius of the universe/firmament, this is centered on the center of the diameter of the universe. The rest of the range ($10^{38.8(R)}$ to 10^{40}) is for margin of safety, uniformity, symmetry of scales and ranges and room for expansion for any unanticipated contingencies.

DARK-MATTER, DARK-LIGHT and DARK-ENERGY

What is the prognosis for dark matter and dark energy in our FTPRDNBU? Baryonic matter condensed together is about half a percent. The rest of the firmament is 99.5% is empty space, much within atom and much without. At this rate/ratio the entire Empire state building in New York City can be compacted into a grain of rice. The volume of the firmament bubble in which the entire FTPRDNBU is housed is about 4.1888×10^{60} cubic meters, half a percent of which equals $.837 \times 10^{58}$.

The same math also applies to baryonic matter within atoms (all the quarks and leptons condensed together) are only half a percent such that, the volume occupied by sub-nano baryonic matter within all atoms comprises about $.2387 \times 10^{-60}$ cubic meters. Half a percent of which = $.477 \times 10^{-63}$. The two volumes are reciprocal of each other such that the product of the two baryonic matters $4.18(R) \times 10^{60}$ and $.2387 \times 10^{-60}$ is 10^0 or 1. Likewise the product of the half percent of each $.837 \times 10^{58} \times .477 \times 10^{-63} = 4 \times 10^{-6}$ which naturally also equals $\frac{1}{2} \% \times \frac{1}{2} \% = 1/500 \times 1/500 = 4 \times 10^{-6}$. In summary in supra-meter scale (10^0 to 10^9) the condensed baryonic matter = .5% + Nano scale baryonic matter = 4.5%. The combined baryonic matter for range (10^{-10} to 10^{-40}) is about 22.5% dark matter and 72.5% dark energy. Likewise on sub-meter scale baryonic matter = .5% + Nano scale baryonic matter = 4.5%.

The combined baryonic matter for range (10^{-10} to 10^{-40}) is about 22.5% dark matter and 72.5% dark energy. Combining the suprameter and sub-meter scales together we get baryonic $.5\% \times 2 = 1\%$; Nano-scale = $4.5\% \times 2 = 9\%$; Dark matter = $22.5 \times 2 = 45\%$ % and dark energy = $72.50\% \times 2 = 145\%$. The aggregate percentage of the two supra and sub is 200% ($1+9+45+145$), which accounts for 100% of space in each range. Of course the product of the two (2×10^{58} and 5×10^{-62}) is still 10^0 or 1.

EARTH AND SUN AS BINARY STAR PAIR

On the one hand even a remote hint of Geo-Helio-Centricity sounds like flat earth stupidity. On the other hand reality cannot be defied, denied, circumvented by reputation and perceptions of mere mortal high thinking men with all their 3P8S limitations and entropy. Even though Creator is free of contradictions, He appears to ordinary men like contradictory not because Creator is full of contradictions but because appearances of one universe are reality in the other universe and vice a versa and because we see the Creator of the universe through our colored worldview goggles of contradictions, distortions, relativity and yes sin as well.

If the FTPRDNU is indeed concurrently geo and heliocentric and young/old concurrently and numerous other apparent contradictions, I do not fault NASA one iota because any person of high IQ with due diligence will come to the same conclusion with all available evidence vis-a-vis 3P8S limitations of human beings in our current state of testing

and probation on our precious privileged planet earth. Allow me to explain what I mean by sharing my perception of one reality through my pair of worldview glasses at least on this sliver of it for now.

I define Gravity as any and all uncompensated orbital (Hybrid straight line Linear and Angular/rotational) acceleration, however caused at the very minimum in three orthogonal frames of reference (i) The Earth orbit around the Sun in a first plane; and lets just arbitrarily label it at least temporarily for establishing a base reference point as the horizontal plane. Accordingly the entire solar system orbits around the Sun as anchor in this horizontal plane along a vertical axis. (ii) The Milky Way orbit around the black hole of the Milky Way (as the anchor similar to sun as anchor for the solar system) in the second orthogonal frame of reference in a first vertical plane along a first horizontal axis.

Note that the motion of the Milky Way is also fed back to the solar system and hence the earth. (iii) The Milky Way orbit around the black hole of the Virgo cluster of galaxies in a 3rd orthogonal frame of reference in the lateral 2nd vertical plane along the 2nd lateral horizontal axis.

It should be noted that his motion too is fed backwards all the way to earth in addition to its own diurnal motion. The rest of the observed, observable but not yet observed to the edge of the universe (aka the firmament) is also in motion like everything else in the FTPRDNBU but having satisfied the minimum requirement of motion in three orthogonal frames of reference it can be in the same orientation and hence the frame of reference as the solar system to wit horizontal plane along the vertical axis.

UNIFORM GRAVITY ON THE PRIVILEGED PLANET

Any potentially valid hypothesis of gravity at the very least must satisfy two conditions. First it must explain why Americans and Australians both concurrently feel upright and scientists, high priests and laity of neither continent fall off the planet and two it must be demonstrable in a lab in small scale and/or it must be part of everyday experience of ordinary people like me, as the Creator created the universe for all his children to understand even those who deny or doubt the very existence of eternal Creator.

Perhaps one way to visualize 3D uniform gravity is to imagine you are a pilot flying from ground up in an ever increasing upward spiral such that the aircraft is accelerating in all three axes or all three planes viz X, Y and Z as depicted in [Fig.4b](#)



Fig.4b. Uniform Gravity Globe

From a systems perspective motion of the universe causes gravity, but from a local perspective when an apple falls to the ground we conclude gravity causes the motion. Gravity is not function of time or space. Instead matter and motion cause all three space, time and gravity. In a way they are both right but the ultimate cause of gravity is motion and not the other way around. When Newton observed the apple fall to ground it was obvious and even self-evident to him that gravity was the cause of the fall (motion) of the apple. But now with our increased knowledge of the astronomy (motion of planets, stars and galaxies) we know better (or should know) that the motion is the cause of the gravity.

While it appears that gravity is the cause of motion, the reality is just the reverse. Yes motion of celestial bodies causes gravity, which in turn causes motion when we observe that everything on earth aims for the center of the earth. In fact we create and experience this partial one dimensional gravity each time we accelerate or apply breaks in our fine chariots. Sufficient force however applied, if it results in acceleration causes one dimensional manual local limited gravity. Gravity, light and everything else in the universe including correlated pairs of particle in quantum physics are locally mediated. For detailed discussion and graphical aides, please see NPA-17 paper and video presentation [\[4\]](#)

Newton had all the attributes and qualities of a person worthy of discovering and comprehending operation of gravity. He was humble, hardworking competent natural phi-

losopher (scientist) and a good Christian. Unlike Einstein Newton in all humility said, I don't know what gravity is but here is how you can calculate it. Had Newton not made two mistakes in the first law of motion named after him, he would have discovered the cause of gravity as I have delineated here four centuries later. I was born exactly three centuries later. I join World Intellectual Property Organization every year by killing two birds with one stone so to speak, celebrating my birthday 1942 April 26 and the World Intellectual Property Day as an intellectual property attorney every year on the same day.

PINNACLE OF CREATION ON THE PRIVILEGED PLANET

What Makes Us Special is:

- 1) We have the best seat in the theatre of the universe**
- 2) Man (his planet, star and Milky Way) is not at the center of the universe because Creator is providing the power energy for all of the motions in the universe much like a ring master in a circus and**
- 3) Of the vast variety of creation of Omni All Creator, only man is created in His own image. To the extent man voluntarily submits to and/or does Creator's Will, he becomes part of Creator to that extent. Creator is what man may become part of and man is what part of Creator once was. In other words this is not the first time. The process of man becoming part of Creator is not new but has been going on for eons.**

According to Evolutionists and system professionals all life is a collection of cells and one such collection is man which generically includes women. The inter- and intra-cellular cooperation is by laws (euphemism for Creator or Intelligent Design or Rose by any other name) is so mysterious as to give rise to conscience. Darwin illustrated this by a "Tree of Life" in the Origin of Species.

Yes, our ancestors were so right. It is all for you and me. The entire universe is for our peers and posterity for time and eternity. Man is the pinnacle of the creation for the following three unique endowments given only to man (by Creator himself) to the exclusion of all others.

- (i) Man alone is created in the image of God.**
- (ii) Man alone is given dominion over the entire FTPRDNBU.**

- (iii) Man alone is given the Free agency to choose between right and wrong, to take the hard road less travelled, to engage in altruistic behavior and to make sacrifices. The freedom the rest of the creation has is limited to freedom to move, to obey law(s) and even a different law when so commanded by Creator or any agent with authority to act in His name.

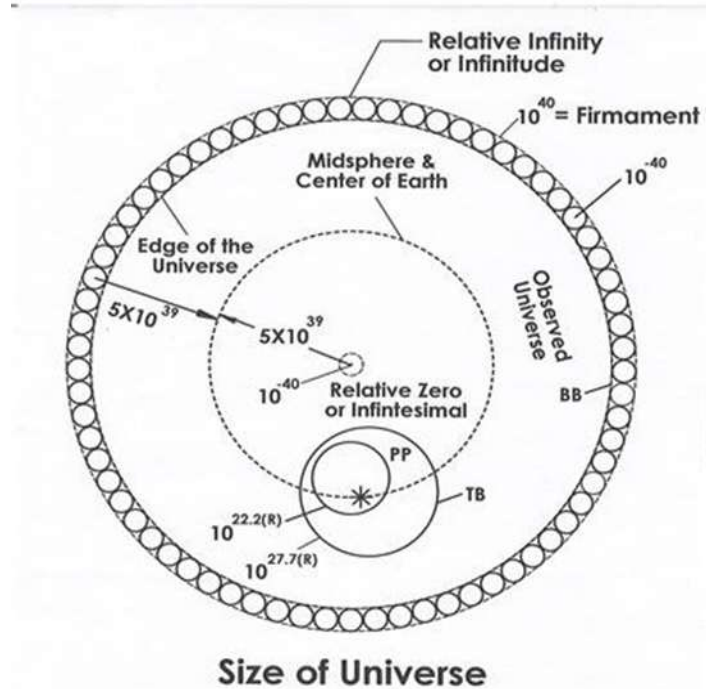


Fig.4c. Uniform Gravity Globe

The asterisk (*) in the gravity globe of Fig. 4c represents the center of gravity/mass of the earth anchored to and yet gliding freely on the imaginary mid-sphere formed by mid points of the radii of the firmament of radius 10^{40} meters. Counter to our intuition mid-point of the radius line from zero to 10^{40} lies at 5×10^{39} meters. The following legend will aide in the comprehension of the scope, scale and size of the FTPRDNBU in the firmament.

- a) PP is the short for Ping Pong Ball which represents and houses the solar system of size $10^{11.1(R)}$ meters as well as the Milky Way galaxy of max size extending to $10^{16.6(R)}$ m
- b) TB is acronym of Tennis Ball and it represents and houses all of the PP contents as well as the entire Virgo (local and super) clusters of size range extending to $10^{22.2(R)}$ meters.

- c) BB stands for Basket Ball, occupies all the contents of PP and TB and the rest of the observed and yet to be observed star stuff to the edge of the universe. Its range extends to $10^{38.8(R)}$ meters. Unlike the PP and TB its rotation is with respect the center of the center of the firmament as the BB is almost the same radius and diameter as the firmament itself i.e. extending to $10^{38.8(R)}$ meter.

Thus uniform gravity is created by combined effect of three motions in 3D Euclidian absolute space having planes (three axis and three planes of arbitrary orientation but perpendicular to each other) in three orthogonal frames of reference which are fed all the way back to earth via Virgo clusters (local and super), Milky Way and the Solar System each in three different orthogonal planes.

1) Orbit of the earth around the Sun in the plane of the planets in the first frame of reference (horizontal plane along vertical axis)

2) Solar system around Milky Way Black Hole in the plane of the Milky Way which is perpendicular to the plane of the solar system in the second orthogonal frame of reference (Vertical plane along horizontal axis)

3) Orbit of the Milky Way and local group and perhaps some other galaxies around Black Hole of the Virgo cluster in the third Frame of Reference (Lateral vertical plane along lateral horizontal axis) which is orthogonal to both the previous planes Solar system plane and Milky Way Planes.

SOUL OF THE MAN AND HIS UNIVERSE

The soul and spirit of the universe and the man and of everything, everybody, everywhere, every-time (4E) is latent in the substructure of the atom. There are three levels below the nano-substructure of the atom, which are shown together in [Fig. 5](#) and individually in [Figures 5 \(a-c\)](#), not counting the body and brain we discard at death. For the sake of completeness all four levels are listed below in descending deepening order of depth.

a) Level-IV – The Nano-scale body and brain we discard at death.

b) Level-III – Sub-nano scale (10^{-10} to 10^{-20} meters), the body and brain (Consciousness) that survives death.

The body sex of the level-IV and III is always the same barring some genetic defects or medical intervention at level four to correct the same. ([Fig. 5a](#))

- c) Level-II – Zeptoscale (scale 10^{-20} to 10^{-30} meters) comprising mind and soul that accompanies level-III body at death (Fig. 5b)
- d) Level-I – Nanozeptoscale (10^{-30} to 10^{-40} meters) comprising intelligence and spirit that accompanies level-III and II. (Fig. 5c)

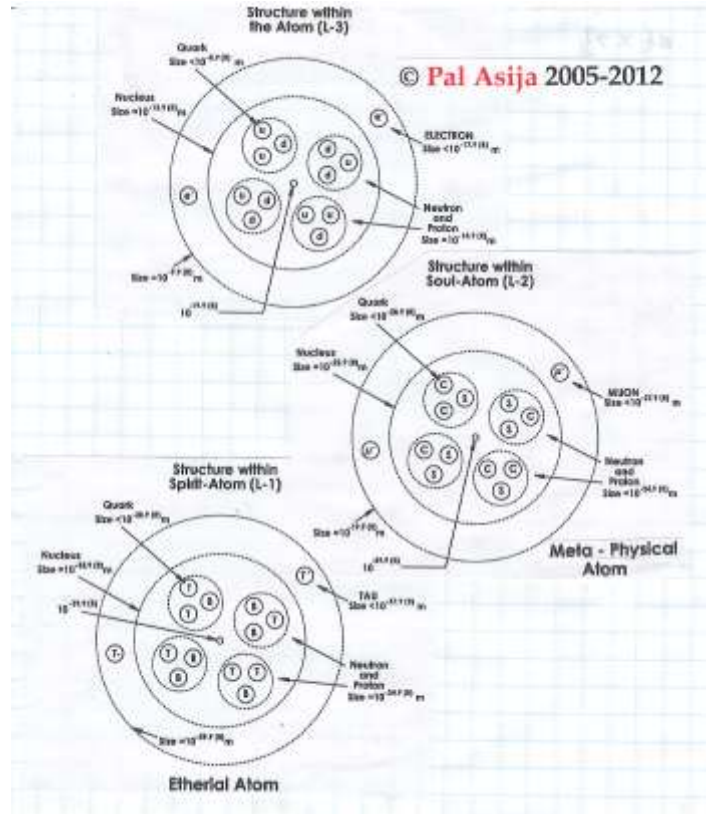


Fig. 5.0 Sub-meter scale Tri-level Atomic Structures

Figures 5 a, b and c depict levels III, II and I respectively and show the interface relationship among the three levels of atom(s) described here in more detail.

Figure 5a is titled, conventional atom up close, but in fact it is sub-nano. This structure comprises up down quarks and electron as its lepton and electron neutrino as its escort partner of the lepton, which some particle physicists confuse it with positron.

Figure 5b entitled, metaphysical atom up close. This structure comprises charm and strange quarks and muon as its lepton and muon neutrino as its escort partner of the lepton. The positron analog or its destructive fragment/partner could be named Posimue.

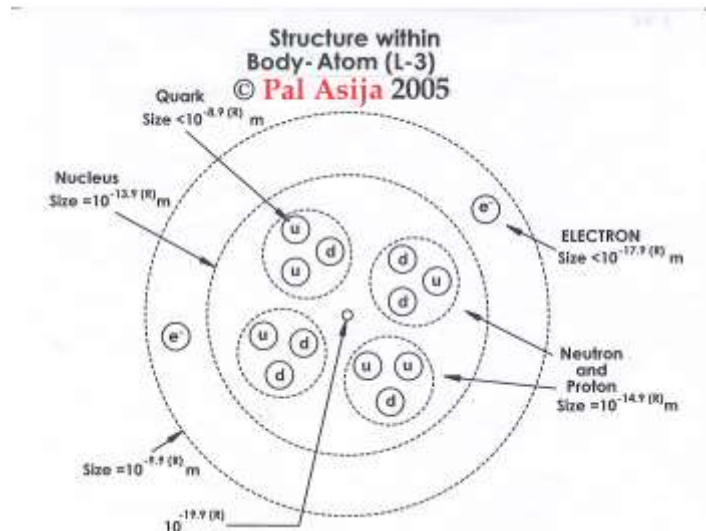


Fig. 5a Conventional Atom Up Close

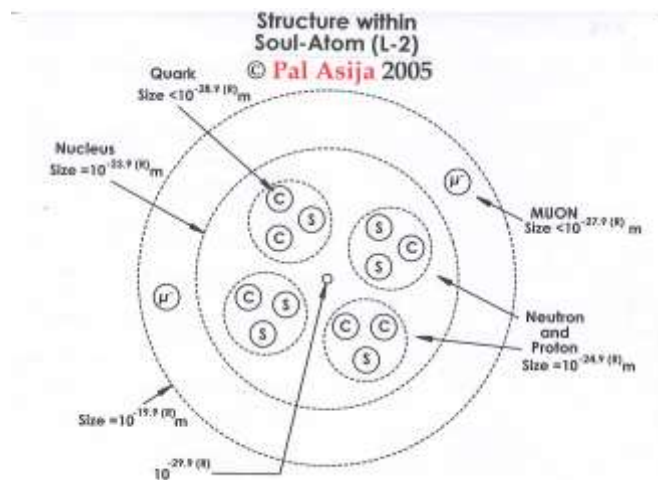


Fig. 5b Meta-Physical Atom Up Close

Figure 5c is titled, ethereal atom up close. This structure comprises top and bottom quarks and Tau as its lepton and Tau neutrino as its escort partner of the lepton. Its destructive fragment/partner could be named Positau.

The main difference between escort partner and its destructive partner counterpart can be better understood by understanding the relationship between dating and marriage v/s divorce and separation. A child wanted to understand how his wrist watch works. So he smashed it with a sledge hammer. Like the particle colliders he was satisfied with his new insights and understanding. Nature's creative methods have little re-

semblance to man's destructive methods. A person dating treats his date lot better than a person who is trying to dump her or married man is seeking separation or divorce.

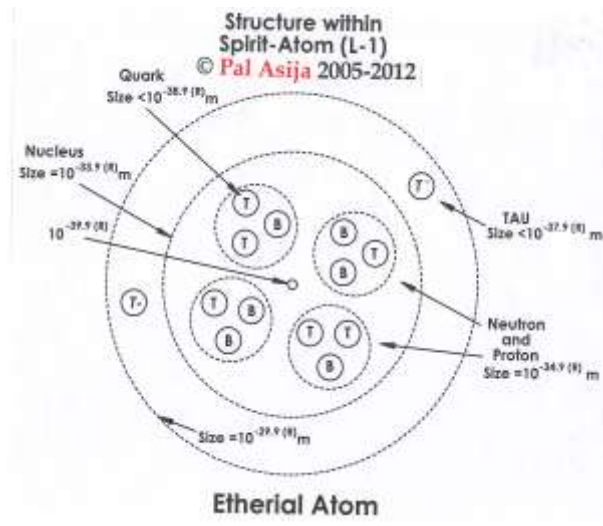


Fig. 5c Ethereal Atom Up Close

GPS and SRT

The GPS works not because of science but in spite of wrong science, as GPS practice is opposite of what Einstein's SRT required. SRT is not completely wrong. Conceptually it is correct and consistent with relativity of the FTPRDNBU notwithstanding Einstein got a couple of things backwards. Instead of mass increase it should be mass reduction, and instead of time dilation, it's time contraction such that a traveling twin if at all would age more and faster. [5]

The time contraction I use here as positive and dilation as negative with minus sign. Relativistic time contraction of 45.6687 microseconds per day of 24 hours along the circumference of the earth and gravitational time dilation of 7.2685 microseconds/day radially as required by Galileo's pendulum formula. Accordingly, GPS engineers slow down GPS clocks by 45.6687-7.2685 or 38.4002 microseconds per day to synch with ground-based clocks. This is proof positive as velocity correction along circumference $45.6687 = X 2\pi$ (Two Pai) X 7.2685 gravitational correctional along radius of earth.

We deal only with relative (rational) numbers where zero and infinity are on the opposite end of the number line, but in the virtual universe only absolute (irrational) numbers are used, for example Nihility (the concept of nothingness), One and Infinity, wherein nothing has no separate existence apart from its use as reciprocal of infinity. Outside the

firmament sky sphere 0 = infinity but inside the firmament sphere relative zero (aka infinitesimal) is at the center and relative infinity (aka infinitude) is at the circumference of the sphere. As the firmament sphere size is reduced by withdrawing and eliminating matter from it, the circumference merges with the center and the distinction between relative and absolute vanishes. All four relative, zero, relative infinity, absolute zero and absolute infinity merge and become one and the same thing as was the case before the creation of our universe (FTPRDNBU) within universe of the Creator (IEVACXUU).

TO TOUCH OR NOT TO TOUCH THE SKY

The firmament is firm. It is too high and too far to touch. Before we can touch the sky, we need to know how high is the sky. Go for the sky and don't let me discourage you from trying. It's the sky beyond all the star stuff. You will know it when you get there because even though you will not be able to see it, reach it or touch it, you will not be able to advance any further any more than you can achieve the light speed limit of c or achieve the temperature of absolute zero.

The sky is a transparent and impenetrable spherical bubble with a radius of 10^{40} meters, (diameter = 2×10^{40} meters, circumference = 6.283185×10^{40} meters, surface area = $3.14159265 \times 10^{80}$ square meters and volume = $4.18(R) \times 10^{120}$ cubic meters) a very big playpen indeed. A mirror image of this extends also in the submeter scale with vital statistics of radius of 10^{-40} meters, (diameter = 2×10^{-40} meters, circumference = 6.283185×10^{-40} meters, surface area = $3.14159265 \times 10^{-80}$ square meters and volume = $.2387 \times 10^{-120}$ cubic meters) a very small playpen indeed. If you multiply the two volumes together the result is 1 notwithstanding it represents a range of 240 orders of magnitude (1 followed by 240 zeros), far greater than the total number of particles (I guesstimate as less than 10^{100}) in the FTPRDNBU. For a more enlightening and exacting analysis and count please tap into resources of Sir Roger Penrose. We are not at the center of the universe (center of the diameter) but at the center of the radius of the firmament, so to reach the sky you will need an arm of 5×10^{39} meters.

ITS ABOUT TIME

One definition of our time is the ratio of distance traversed divided by speed of a body in motion. Accordingly time dilation or contraction is also function of the absolute motion of the universe through absolute space. All motion must be taken into account including rota-

tion of the earth, its orbit around the sun and motion of solar system and hence our earth also from Constellation Aquarius to Leo at 370.370(3R) km/sec. Like the three legged stool, moments (of time), mass and motion are interdependent and inextricably intertwined. They are born together, grow or shrink proportionately together and will end together at speed approaching 0 or 'c' each having the same effect. The trio starts from infinite time (or infinitesimal frequency) and infinitesimal mass and infinitesimal motion.

SLEEP & DREAM CYCLES, STAGES AND PHASES

In the graphic of **Fig. 6** eighteen phases and stages are shown (four pre-sleep phases + 4 conventional sleep/dream stages + ten post sleep phases) which represent 350% increase over the conventional four stages [6]. In this graphic cycles of time are along X axis and stages and phases along Y axis.

1. Life before Life (aka Pre-Existence)
2. Pre-Natal-Fetus
3. Birth as an infant
4. Day Dreaming
5. Classic Stage -1 (aka REM Sleep)
6. Classic Stage-2
7. Classic Stage-3
8. Classic Stage -4
9. Sleep Actions (talking, walking, working)
10. OBE (Out of Body Experience)
11. RDE (Return from Death Experience)
12. PVS (Coma Patient on Life Support)
13. Dead Waking Up
14. Death (Non-Return from Death Experience)
15. Post death visits
16. Life after Life
17. Reincarnation
18. Resurrection

We dream not just in REM (Rapid Eye Movement) Sleep but in all four conventional stages (2-4) of sleep as well. Sleep and dream research has been a challenge because they are multifarious and generally include the following.

- a) Rest, Recreation and Recoupment of body and brain.
- b) Translation and communication of information among four levels of almost all mammals including, brain, mind and intelligence levels among others.
- c) Synthesis of information into higher levels for lower levels of humans which operate at different levels of time and size.
- d) Exchange of information among four levels during sleep, which explains why people often want to sleep over a difficult problem and/or decision for some inspiration.
- e) Optimization of the 6th, 7th and 8th senses.

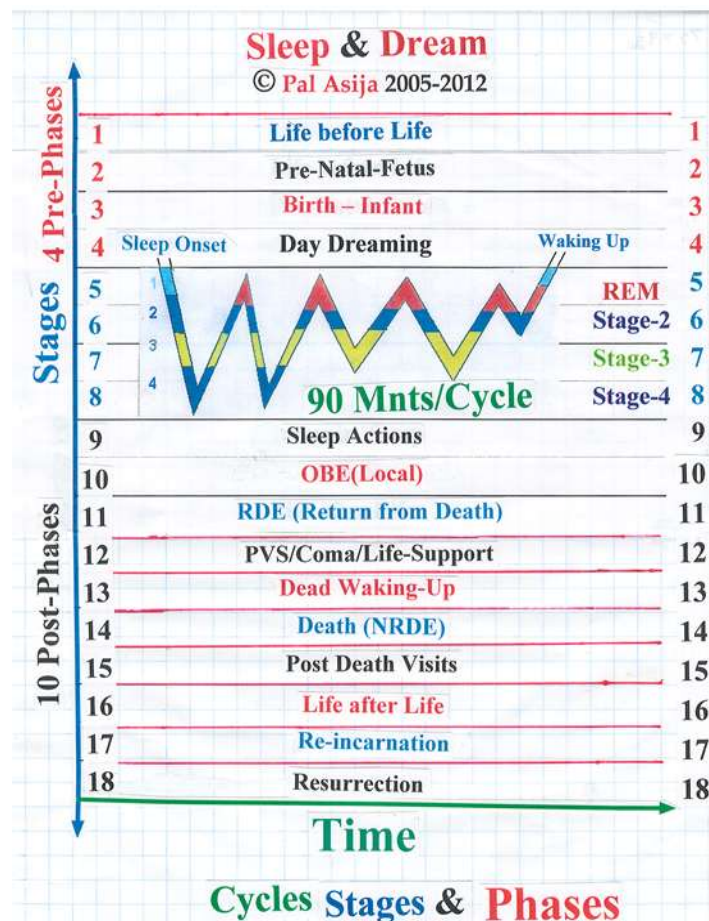


Fig. 6. Sleep and Dream Cycles, Stages and Phases

The communication between mind and brain is tacit; its interface with 6th, 7th and 8th sense(s) is latent. The following notes will aid in the comprehension of the 18 stages and phases of the Sleep and Dream Cycles, Stages and Phases. The number in the note refers to prophases (4) or stages (4) or post phase (10) numbered consecutively 1-18.

1 - Life before life refers to levels I-III atoms which include non-discard-able body and brain, soul and mind and spirit and intelligence.

#2 – Gestation - Gestation in (development of level-IV) body and brain (generally 39 weeks) originating from mother's egg (XX chromosome) and father's XY chromosome, which is derived from level-III bearing one to one relationship, which ensures level III and Level IV body sex of the offspring is identical barring some genetic defects or mutations or medical intervention or even irresponsible use of drugs and alcohol etc.

#3 A new born baby sleeps 75% of the time gradually decreasing to 33%.

#4 Day dreaming resembles a wake state more than sleep stage.

#5 is classical stage number one – REM sleep – consolidates 3D kinesthetic learning (L4 to L3).

#6 is classical stage number two – Transforms 3 D learning to 2D learning (visual, movies, watching a game or play) (L3 to L2)

#7 is classical stage number three – transforms 2D learning to 1 D learning (sequential audio or reading a book) (L2 to L1)

#8 is classical stage number 4 – slow wave deep sleep - consolidated and transforms all learning to dimension less (L1 to L0)

#9 Sleep actions include talking, walking, driving and working etc. wherein the paralysis is ineffective.

#10 is OBE - Out of Body Experience in trauma centers, accident resuscitation sites where Body level III states proximal to Body level-IV and return to it without ever entering the light tunnel.

#11 RDE refers to actual return from death experience, where the subject is legally brain dead for a short period of time, goes gallivanting but returns to the body without crossing the boundary in the light tunnel.

#12 PVS (Persistent Vegetative state) the subject is in coma and on medical life support system. is minimally conscious for example level-I spirit atoms remain with L-IV body and may occasionally return many years later if the life support is not withdrawn prior to that.

#13 Dead Waking Up refers to special rare situations where the dead wakes up from/within coffin or burning cremation platform or even miracle revival of Lazarus.

#14 Deaths. – NRDE (Non Return from death experience. Naturally we don't hear from them except as exceptional post death visits with special mission or permission.

#15 Post death visits with special mission or permission.

#16 life after Life - Interim life of L-3 body and brain + L-2 soul and mind + L-1 spirit and intelligence between death and resurrection with new improved L-4 body.

#17 Reincarnation happens as an exception to the rule and is granted to those who failed to complete their earthly mission first time around.

#18 is resurrection, reunion of L3 (body and brain) + L2 (soul and mind) + L1 (spirit and intelligence) with new improved L-4 body not of flesh blood and bones but of light, soul and spirit.

USER FRIENDLY UNIVERSE

The Omni All Loving Creator created the universe as the 1st (Zeroth) book of scriptures sua sponte and ex nihilo such that we (including those with advanced or professional degrees) can understand it from our everyday ordinary experiences all in the spirit of Ockham's razor. Following are but a few examples.

- 1. Miniature gravity we experience from motion (Newton's 3rd Law) and Newton's Universal gravitational law based on motion.**
- 2. We create everything in virtual, mental, CADD form before physical prototypes. Creator also created everything in virtual form first. Like us if something is very simple (or similar to what we have done many times before we abridge the virtual phase and go directly to the lab and prototype or breadboard it as improvise as we go along and Creator also did that for insects, fish etc. (both of which were created concurrently in virtual and physical embodiments.**
- 3. We design things with competing values, objectives, criteria and so did Creator.**

4. We reuse previously designed ideas, sub-routines, even sub-systems rather than reinventing the wheel. So did Creator in creation of man in His own image and creation similarities which Darwin noticed and named it Tree of Life.
5. We all take path of least resistance just as electrons in an electrical circuit or molecules in flowing water. I am not sure Creator take the path of least resistance as Jesus did not take the path of least resistance at the cross
6. We love our children. So does Creator. The best way to understand our relationship with Creator is to understand our relationship with children.
7. We watch over our kids so does Creator. We protect our children and sacrifice for them and serve them. So does Creator. Our children are brothers and sisters so are we as children of Creator, brothers and sisters.
8. Computer in sleep mode v/s man asleep including HW/SW analog of Body/Soul
9. We take our children to Disney Land and July 4th fireworks, so the Creator has blessed us with the best seat in the Theatre of the Universe to enjoy and experience the ultimate fireworks.

SOURCES OF ERRORS IN SCIENCE AND SPIRITUALITY

In addition to entropy, both science and spirituality are equally fallible to 3P8S errors, wherein 3P stands for faulty perception, processing (including thinking and reasoning skills) and presentation skills and wherein further 8S stands for 5 physical senses of hearing, seeing, smelling, touching and tasting. The additional three senses are 6th sense (aka hunch or gut feeling initiated tacitly by brain and body that survives death), 7th sense of communications with mind and soul and 8th sense of communications by spirit and intelligence, all of which are tacit and yet clear and sure enough to leave no doubt in the minds of the subjects who have experienced them or otherwise believe in them because of their faith.

These 3p8S errors often creep in through such labels as assumptions, definitions, initial conditions, miscommunications, incomplete or faulty understanding, jumping to conclusions, limitations of language, copying, interpretation, translation errors, bias, background, education, training and experience, stupid faith as contrasted from true faith (Blind Faith), faith in wrong Creator, duration of experiment, lack of replicability, falsifiability, inability to discriminate between polarities, triple channel evolution, triune Being,

Cause and Effect, confusion between Appearances and Reality, confusion between absolute and relative, undue importance on language of mathematics and even multiple opposing cancelling errors giving rise to false sense of confidence and many more all of which have nexus to entropy. Non-theist: More palatable contemporary label for atheist (paralleling relabeling of creationism to ID or Intelligent Design) with closer proximity to humanism and agnosticism than to atheism a repositioning for better public relations and hope for increased membership.

STAND BY FOR SOME SOUND BYTES

1. Nothing travels at speed of light, not even light.
2. There is nothing random, not even random number generator.
3. Heisenberg's uncertainty principle itself is uncertain
4. Everything is virtual particle(s) regardless of its size and duration.
5. Everything is alive even a dead body is alive at some level regardless of the freedom to choose, move or lack thereof.
6. The unexpressed gene determines and controls which gene (allele) is expressed.
7. We are star stuff and soul stuff
8. Ignorance masks (covers, confuses) reality.
9. Light and knowledge unmask (discover or dispel confusion about) one reality
10. Unlike infinitesimal and infinitude zero (nothing) and infinity are synonyms (and absolute)
11. Reality is far more bizarre than man's wildest imagination and/or expectations.
12. 4E is alive including dead body, although the degree to which everything is alive varies. All laws apply to 4E. There are no exceptions. Creator himself follows those laws voluntarily.
13. The universe is 1 we know (FTPRDNBU), but there was something before it, which I call (IEVACXUU) and hence the basis for "Universe within Universe"
14. Quasars are far out. Quarks are far in.
15. Finite(s) cannot comprehend infinity, nor nothing.
16. Darkness cannot comprehend UVL (Universal Virtual Light)
17. Nothing and infinity morph into one reality in IEVACXUU

18. Nothing is more natural than creator.

19. Nothing changes Nihilism or infinity of IEVACXDUU

20. Nihilism, One and Infinity are sacred prime numbers.

ONE REALITY NOW (Nuggets of Wisdom)

1) Genesis 1:1 probably includes “and everything in it” Rest of the Genesis (1:2-31) is continuation of sua sponte ex nihilo creation. Likewise Genesis 2 is a continuation of where Genesis 1 left off for teaching us by example the importance and sacred nature of the Sabbath day. In other words Creator did not follow the prudent tripartite practice of DoD (Department of Defense of the United States of America) training dicta, viz (i) Tell’em what you are going to tell’em, (ii) then Tell’em and finally (iii) Telle’em what you told them.

2) Everybody, everything, everywhere, every time is alive, even dead body is alive. 4E is alive, although the degree to which everything is alive varies. All laws apply to 4E. There are no exceptions. Creator himself follows those laws voluntarily. The transition of life among plants, pets, people, plasma, planets, pebbles, particles, protons is arbitrary to help us classify creation to facilitate its study.

3) An essential aspect of our universe is uniform gravity which is created by combined effect of three motions in 3D Euclidian absolute space having planes (three axis and three planes of arbitrary orientation but perpendicular to each other) in three orthogonal frames of reference which are fed all the way back to earth via Virgo clusters (local and super), Milky Way and the Solar System each in three different orthogonal planes.

(i) Orbit of the earth around the Sun in the plane of the planets in the first frame of reference (horizontal plane along vertical axis)

(ii) Solar system around Milky Way Black Hole in the plane of the Milky Way which is perpendicular to the plane of the solar system in the second orthogonal frame of reference (Vertical plane along horizontal axis)

(iii) Orbit of the Milky Way and local group and perhaps some other galaxies around Black Hole of the Virgo cluster in the third Frame of Reference (Lateral vertical plane along lateral horizontal axis) which is orthogonal to both the previous planes Solar system plane and Milky Way Planes

TPM (This Probably Means) EXAMPLES

1. Selection probably means Virtual Selection and random probably means law of randomness.
2. Einstein in his SRT probably meant mass reduction instead of mass increase and time contraction instead of time dilation.
3. Newton in his first law of motion probably meant straight line acceleration when he said uniform motion and when he said at rest he probably meant at relative rest with respect to earth or dead end due to an obstacle, otherwise the earth and everything else in the universe is continuously moving with some constant acceleration.
4. Biblical creation account is in three consecutive parts without any repetition(s)
 - (i) Genesis 1:1
 - (ii) Rest of Genesis 1 (v 2-31)
 - (iii) Genesis 2
5. Yes, it is true that God helps those who help themselves, but what's even more true is that God helps those who help others far more than God helps those who help themselves. God helps those who help themselves is modus operandi of wbg, but God helps those who help others is modus operandi of OB-SOG.

GM6QM Questions

Arbitrarily I have created a nomenclature for questions with four classifications as follows. GM6QM is an acronym as is evident from the following foursome.

- a) **G**ood Question – which often means – I don't know the answer.
- b) **MCQ** – Multiple choice question – I still don't know the answer, but I hope your choice is included.
- c) **6Q** – Question that start with what, where, when, why, who and how and solicit subjective or opinion answers.
- d) **M**iscellaneous questions such as humorous, rhetorical (no answer is expected) and intriguing. The main purpose of such questions is to entertain, intrigue, amaze or motivate the audience to think.

Often these questions appear as actual letters from sincere kids to Creator, Santa Claus, Pope or the President or other heads of state. An example of a question in this mis-

cellaneous category is an actual letter in the dead letter office from a little girl who asked, Dear God, when and how did you realize you were God? Another example is the hypothetical question, ‘What’s the difference between a duck and an astrophysicist. [7]. Other examples of miscellaneous questions include ego questions designed to impress and even outdo the main presentation. Additional examples of these four categories of questions as well as more Sound Bytes, One Reality NOW(Nuggets of Wisdom and TPM (This Probably Means) can be found at author’s one reality URL.

CONCLUSIONS, PREDICTIONS, PROGNOSIS, PUBLICATIONS and PROJECTS FOR FUTURE RESEARCH

The foregoing represents my best work about One Reality primarily because it integrates half a dozen previous papers of mine on this subject, some of which are cited in this paper as listed under references. In order to act in our enlightened best interest it is necessary to acknowledge and honor contributions of great scientists including those of Newton, Einstein, Darwin and NASA. Their contributions far exceed any errors or shortcomings which of necessity are unavoidable due to 3P8S limitations. Their shortcomings are much shorter than our shortcomings. We should therefore make the corrections, purge the errors and move forward with an attitude of gratitude.

Likewise contributions of high priests of spirituality also far exceed their errors if any. As in biogenesis life begets life, forgiveness begets forgiveness. So we should forgive before expectation of forgiveness. As Covey’s one of seven habits reminds us –‘Understand before being understood’. Those of us who are Bible believers (mea culpa) should be mindful of Matthew 7:5. This is what the Creator expects us to do and therefore that’s what we should do, better late than never and move forward with a cheerful countenance like the one Richard Dawkins exemplifies.

Even if you do not believe in One Reality, it is impossible for us to drive a wedge between science and spirituality or any two entities in the FTPRDNBU. It is naive to expect anyone to put a Jig saw puzzle together with only half the pieces. In case of one reality dynamic puzzle the problems are further exasperated by pieces of the puzzle often changing shapes.

No problem is an island and therefore no solution is an island. The aim of the systems approach is to avoid sub-optimization and entails various tenets such as the following:

- (i) One must view the problems from highest level as possible with control over all the parameters and communities involved**
- (ii) To avoid sub-optimization all problems need to be addressed simultaneously and cannot be solved piece meal in any field including science, religion, politics etc,**
- (iii) Solutions cannot be forced upon communities involved or affected by it, but must be first sold and implemented with love, patience, long suffering sacrifice, preservation of free-agency are essential. Even systems solutions are sold to and implemented one person at a time.**

The hardest part here is discernment of what's good and what's not or what's evil and what's not as both good and evil are here to stay. Both good and evil is learnt, taught and spread one person at a time. Good and evil are here there and everywhere. Both good and evil put their best effort with all due diligence. We are all children of the Creator and hence brothers and sisters. Therefore we should put our best effort with due diligence and due speed and endure to the end. There is but one reality and but one truth in but one universe created sua sponte and ex nihilo by but one Creator. Any search for ONE reality (via science, religion, paranormal or metaphysical or any other means) inherently is subject to 3P8S errors. No branch of investigative knowledge, truth or reality has monopoly over it.

The real battle is between good and evil and not between science and spirituality, evolution and creation, male and female, us and them, patriotism and humanity as good and evil can be found in varying proportions anywhere and everywhere. This is particularly challenging as there is no clear bright line demarcation between good and evil. Even without the intervention of supernatural good and evil sources we can make anything good appear bad by comparing the good to something better and conversely anything bad appears good when compared to something worse. Pursuit of reality should not be simply a matter of democracy, theocracy, popularity, power, money, momentum or controlling grip over the prevailing paradigm. Even in religion top down revelation is more likely to succeed if preceded by first bottom up critical institutional self criticism and analysis as is diligently performed. Reality is independent of what we with 3P8S limitations can achieve in this life. Our challenge or the "Mission Impossible" is how to fix the science (structure) when the paradigm (foundation) is faulty. Wrong paradigm has not, does not, cannot and will not lead to right result or reality.

While this has been a good start towards my two cents worth of contribution, much work remains to be done. Hopefully we can transfer our excitement about this work to younger generation. This paper has also made some extraordinary claims and predictions, which need and deserve to be supported by extraordinary evidence. Unfortunately neither NPA nor I have budgets to match those of/in the main stream of science or spirituality. So much of the work will have to wait for appropriate timing, attitudes and funding, until experiments can be designed and funded to detect charm and strange quarks (10^{-29} m) or even top and bottom quarks (10^{-39} meters) as well detection of the edge of the universe around 10^{39} meters for which we may need to invent much more powerful space telescopes to match. Another challenge is development and implementation of a system of cooperation and coordination between not only intra sciences and spirituality but also inter science(s) and spirituality.

REFERENCES

- [1] **P. Asija, "Universe within Universe" Proceedings of the NPA, v2,n1, pp. 8-11 (2005)**
- [2] **Hexadecimal alphabet**
- [3] **P. Asija, "A Systems View of the Universe as One Reality" Proceedings of the NPA, v8, n1, p. 29 (2011)**
- [4] **P. Asija, "Instant Gravity and Real Time Astronomy in a Real Time Universe" Proceedings of the NPA, v7, n1, pp. 27-30 (2010).**
- [5] **P. Asija, "SRT v/s SRT" Proceedings of the NPA, v6, n1, pp. 17-19 (2009).**
- [6] **P. Asija, "A Systems View of the Universe as One Reality" Proceedings of the NPA, v8, n1, p. 31 (2011)**
- [7] **Duck goes QWACK QWACK, Astrophysicists QUA QUA without phonetic 'ck' sound at the end.**