

# Apparency and Actuality

Marvin E. Kirsh <sup>1</sup>

[kirsh2152000@yahoo.com](mailto:kirsh2152000@yahoo.com)

<sup>1</sup> Departments of Philosophy and Anthropology California State University Los Angeles

## Abstract

Apparency and actuality are discussed with respect to science, genetics, evolution, cognition and perception. Rules for a (sub)set of actual/allowable sets of entities and objects from a total set that is based on differences and contrasts extracted from perceptual experience of the world elucidate tenable combinations/recombinations from a total of the transparent(history/past dependant) and the apparent as they can be construed to comprise the actual/real faces of perception. The elements of dreams, language, symbolisms, abstractions are proposed to encompass a total set of plausible apparencies. Nature from which both internal and external life is mirrored at the simplest structural level is propose to be constructed similarly-to physically possess also concepts and abstractions as states that reflect differences/combinations/recombinations parametrically that are emerged from the parameters associated with particular circumstances. This view is dependant upon, for its' conceptual soundness, a total construction of the world that descends, rather than ascends, in structural complexity and diversity and which is innately divided and compartmentalized in sequence from a more complex uniquely existing state describable singularly as a place of force and proximities form which all processes ensue. Integration of sound, light, into sensory experience and language is proposed to be a natural process of the accomplishment of new proximities/states from total apparent plausibility's (past and actual combined) verses the actually(past and present) existing. Two potential important aspects of this scheme exist with regards to evolution theory:

- 1) a very relative dynamic state of change and emergence is plausible
- 2) a consistent identity of objects and entities is resolvable that is not based on apparent observations or partial history of events but on a set of total states and processes occurred during the progression to an actual condition. This is suggested to be unique for each and every actual situation as an identifier and is proposed to account for allowances with respect to new potentials. "Self" in this sense can assume more involved relations with self more than with the more distant, hence alien, otherwise arrived at proximal components, components of the environment, inert or otherwise. An example is presented with respect to solar energies and their toxicity to cause disturbances/disease upon internal exposure-as an unnaturally arrived imbalance/proximity between the transparent (history dependant) and the apparent-together comprising, in this situation, a disturbed actual state that can encompass also distortions in the perception of time. Time is proposed to be delineated as a contrast of proximal and distal factors mutually involved with both transparent (genealogically) oriented parameters, and empirically apparent factors that together comprise the actual, as well as those more immediate proximal and distal components(e.g. solar radiation, light-the less structured ambient verse those elements

that comprise visual perceptions) as they influence the senses. Each entity species in this scheme possesses its' own characteristic sense of time along with contemporary factors that influence the perception of time state, state of health and disturbance.

## **Introduction**

Sought order, ready explanation, within the hodgepodge of facts and intuitive associations that trail sociological, environmental, biological evidences concerning the population of the planet by the species rarely congeal into a cogent united framework with which to find an acceptable common reference that might lend an order to the diversities and mixtures encountered empirically. It is common, if not recent in attempts to understand mankind and history to assume that it is a collection of particulars, particular cases that, though allowed within current conceptualizations of nature, might have no coherent thread that might lend a conceptual unity with which to build an understanding.

It is the purpose of these materials to demonstrate, that although specific rules without exceptions are difficult to conceive of within the vast array of evolution and sociological examples from discovery that unifying factors exist. The eye appears to have evolved independently in many separate examples. Some mammals have clavicles as a unique characteristic that is intermixed with other traits that are found randomly distributed among the species, do not appear to distribute into particular patterns, or statistically co-relatable characteristic associations, but appear as random expressed mixture of observed possibilities.

Sociological factors, the evolution of language, the literal and figurative in expression, communication, dream content is suggested to arise from universally present cognitive conceptual differences in the presented allowable constructions for the real faces of nature and experienced phenomenon and that which has no empirical foundation or existence, the existence of non randomness to the whole of nature verses its content of randomly occurring processes. The fueling of cognition, might be found also to be contained within this same description of affinities within associations; memory, maintained as a state involving localized properties of space, sequestering born from complex, more complex diversity, energy attributed to sensory functioning that is relocated to new positions and environments , together with active experience form a source of material for combinations, originating as a universal of path from energy matter conversion involving very long distances of the same magnitude as a trip across the universe.

The hodgepodes of nature ,odd mixtures in the apparent faces of nature , the micro, the macro might all fall to be contained with the described unified conceptualization that entails a parity to the world, in retrospect, as conceptual and non-existent separately mirrored halves that are present and appear as singular concrete tangible structures that are possessed of a transparent energy, are elaborated here with respect to the molecular genetics of living entities as an energy scale based on the topology and geometry of a theoretical one sided surface.

## **Discussion**

### **A. Perspective and Abstraction**

Abstraction into realms that exceed the capacity for direct comparison and experimental validation are excluded here, as well as notions that entail conceptions and beginning/ends. It is conjectured in a presented model of a genealogy of life and nucleic acids that the world can be divided into categories of the apparent and the transparent, the transparent is dependant on a history of events. The locks and keys of biological significance in genetics and molecular biology are given a dynamic facet that supersedes the more concretely known physical structures of the cell, nucleus and associated macromolecular structures and criteria for affinities and mating based on direct physical alignment, or organization described by a linear genetic code. A model is created for emerged representation from the direct perspective of entities in motion that also accommodates human perception, overcoming an objectivity problem that is associated with scientific interpretation. This representation, entitled as a transparency is assigned as a universal and is based on a concept of changes in the propagation medium of transmissions related to changing properties of spaces as entities encounter each other. A re-modulation of transmissions

is described to result from the presence of premodulated energy in new physical spaces and reveals the physical characteristics of approaching original entities to one another. It is postulated that the apparent faces of entities may or may not represent a total construction based on all existing faces, as may be common in ordinary experience. Actual constructions are proposed to be a relation of apparent and transparent parameters that are logically definable and orderable. An odd feature given to all of space, in this regard, is attributed to a naturally dictated physical congruence of the apparent with (a history) dependant transparent based on an existing parity associated with an inversion surface (mobius strip) as a substrate for force. Three dimensional graph models generated from simple equations for inversions from trigonometric functions that mimic an egg or a helix are shown to have mathematical inverses that align in form, shape, and dimension with non-inverted original structures as support for the model. A physical symmetry in the structure of uracil and an energy division associated with a genealogy of the genetic material is related conceptually with the described parity in transparent and apparent features of processes that is structured with respect to roles of entities/divisions as catalyst and/or substrate, particularly with respect to an overall genealogy as a mirror of known genetic recombination mechanisms. Cancers are interpreted as the result of a disturbance in apparent-transparent balances, loss of genetic identity associated memory and the growth of a subsequent force applied to tissues and cellular structures from abnormal sub-epidermal exposure of tissues that are normally buffered from sunlight within this scheme, by highly ordered transparent/apparent relations inherent within the actualities of a total perspective, to energies that originate from the earths sun.

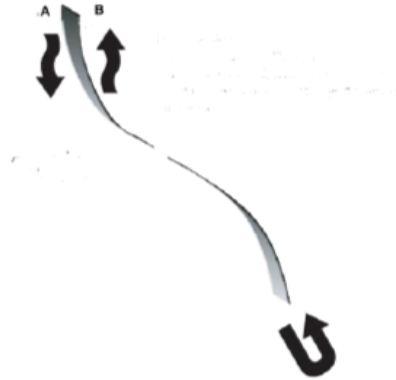
It is concluded that studied biological interactions cannot be successfully divided into separate components with respect to witnesses in witness pairs for a scientific understanding . Though

current modeling sufficiently accounts for many phenomenon, this conceptualization is significantly different from current ideas and leads to a significantly different criteria for the understanding of processes, emergence, and the potential gains in light of goals in with respect to avenues in experimentation; the genetic code is concluded to be only an apparent phenomenon, the species not a evolutionary process in terms of an interpretation based on an emergence as a unique transmission, but is composed of a combination of unique energies with distinct genealogies that function in a concert orchestrated inherently by nature to compose the locks and keys that comprise observation-the conventional know mechanisms of inheritance (e.g. via the nucleic acids), observation of genetic inheritance based on the molecular biology of genes, only a facet, a single mechanism of plural existing facets that impart change and progression.

- 1) All perspective of all entities is in the first person and is held as the only suitable point of reference as the only plausible standard, moves in relation to the external and with itself. Witness is defined as any location in space that exchanges energy with another location and is realized by and confined to pairs of witnesses. A universal of space and processes is based on an ordering by an inversion (Figure 1), one sided surface-mobius like strip, in that assumes a role of catalyst, represents space as a catalyst of processes. All witness points , entities , are the product of a genealogy of two energy paths-the transparent and

the apparent.

Figure - 1 - An inversion divides space. The most proximal distances, translating into the most distal, involve the transit of the entire surface.

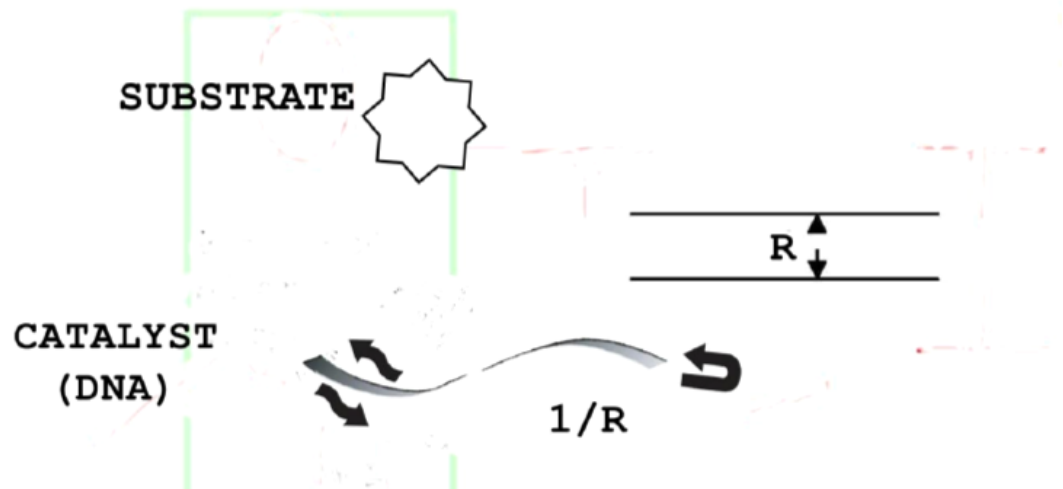


- 2) A relativity of nature is introduced that focuses on temporal differentials involved with volumes and their contained/containing processes that are ultimately Einsteinian and distributed uniformly, qualitatively throughout.
- 3) Representation is accomplished, at any entity location, by the means of ratios of differentials that are the result of a change in the spaces involved in the propagation of force as different spaces with different spatial properties engage in relations - e.g. in analogy, visual representation is postulated to be produced in the brain from differentials in detected sensory signals with time that assume associations re-modulated by the internal environment of the brain (Figure 4).
- 4) All is construed to be exclusively composed of paths of transmissions. For example, biological memory, DNA, RNA, identity is considered to emerge from energy matter

conversions involving transit across vast inversion surfaces as a “physical piece of path” (Figure 3) and are defined as transparent processes. The conversion of matter to energy, a reverse of energy to matter, supplying metabolic energy is defined as apparent. In analogy food ingestion with respect to the whole mammalian organism is given as a higher order parallel to DNA/RNA or protein substrate interactions, the inter-molecular with the intra-molecular.

- 5) Empirical values of the apparent and the transparent, based on a plane geometry of volumes are secondarily theorized to be alike as a prerequisite for the formation of associations that define the locks and keys of nature( Figures 2, 6, 8, 9)

Figure - 2 - The transparent and apparent are inversely related



Actual energy lineages as in the description of the means of emergence of DNA (number 4 above) are automatically construed as transparent. Apparent features are designated not to possess a unique genealogy with applicable reference to interactions-i.e. are intermolecular.

- 6) The existence of a natural calculator that combines positive and negative values to produce outputs is postulated and is an apparent feature. The transparent and apparent are thus intermingled and acted on by simple arithmetic processes in the creation of representations by entities. For example one micron of path length added with one micron of path length, three points, results in apparent distances that correspond with the values according to the Pythagorean Theorem but are arrived at naturally. From a higher level, perceptual (and cognitive) representations are suggested to function similarly (Figure 4).
- 7) The proposed natural existing overlap in numerical differentials of the apparent and the transparent, lending a means for interactions, is suggested to constitute the biological mechanism of locks and keys (Figure 9). Lock and key like mating assume a fluid aspect in which parameters of interactions are not dividable into separate witness components for study –i.e. parameters of a ligand within an interaction are “in dance” with those of the catalytic agent and cannot be treated independently from the substrate to yield coherent meaningful results though mechanisms of function, certain analytical determinations, as partly illustrated, are not precluded with respect to the extraction of pertinent meaning in light of goals.
- 8) The term multi-function gene or enzyme then gives reference only to a single lock and key, and two independent energy paths composed of transparently originating parameters (intramolecular) and apparently originating parameters (intermolecular), that are respectively associated with described mechanisms.



These concepts, some of which appear to exceed the subject matter of an energy genealogy for the nucleic acids are presented in order to frame the discussion in advance of potentially ensuing contradictions of logic and interpretation.

### **B. Theory and Function: Genetics, Physiology, Visual Perception**

Other than conceptualizations that structure associations according to physical properties, mass, energy, physical geometry etc., a scheme to construct it with respect to a force of encounter of entities and apparent and transparent factors related to dimensions and energies is introduced. . In consideration of efforts to fit data and observation into theoretical boundaries, noting the vast number of exceptions to expectations that have been arising and the very difficult topic of emergence, a new view is presented to consider an origin of life that is devoid of topics that entail conceptions, beginning and death, as any of them are philosophically unsound and useless in approaches. Temporal considerations, in alternative to a singular descriptive account of function, can give birth to the same set of chicken-egg like logical confusions that perennially entail an overlap of unifying conceptual details with those of a particular and circumstantial nature. A basic unit structured with respect to a mathematical inversion, volumes and energy does not, in the absence of particulars, entail temporal factors.

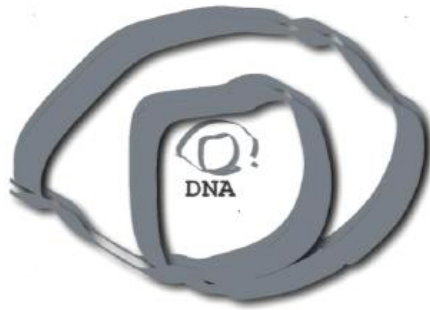
Two components to the model are given as a unit feature as a one sided inversion alike a mobius strip as a surface/catalyst for all processes involving the propagation of force and energy of either of a transparent or apparent nature. Energies of processes are entailed to a separation somewhere along an inversion from highest potential (most energetic and complex) to lowest potential (Figure 1). DNA is characterized as ‘a piece of physical path’ that is emerged from energy that has transited a path from a very high potential to low potential, has assumed a state

of matter, and reflects physically the path across the entire inversion from which it is derived (Figure 3). DNA, in this scheme has the paradoxical role of both physical form and function as the genetic material and a transparent form and function as memory.

A second factor of external metabolic energy that is distinct from described energy genealogies is attributed as intra-molecularly derived, is postulated to fund energetically, biological, as well as all processes. It is important to note here that apparent metabolic fueling energies, tangential energies to the transparent, serve to reverse the sign of potentials of transparencies. Thus energetically downwards, descending, is made to look ascending in the process of seeking, testing, in cognitive processes, feeling around to learn. In accord with the notion that processes reflect nature, the same is assumed to exist in the micro-environment of inert entities. Thus processes proceed with an endowed immediate attraction (perceived as positive in representations) towards the negative as the sole choice in all processes. This again reaffirms ideas of a universal parity centered around a one sided surface in all genealogies, descending in order from the primary possessing the greatest energy potential-here described as an energy matter conversion yielding an energetic mass of identity “path”/memory-descending in order towards the secondary etc. This centricity, though, is strictly apparent, conceptually parallels laws of thermodynamics regarding the permissible directions of change and the conservation of energy. The resulting model is uniquely composed of, at all levels, catalyst and substrate – i.e. space is considered as a catalyst for the substrate light (Figures 1, 2, 3).

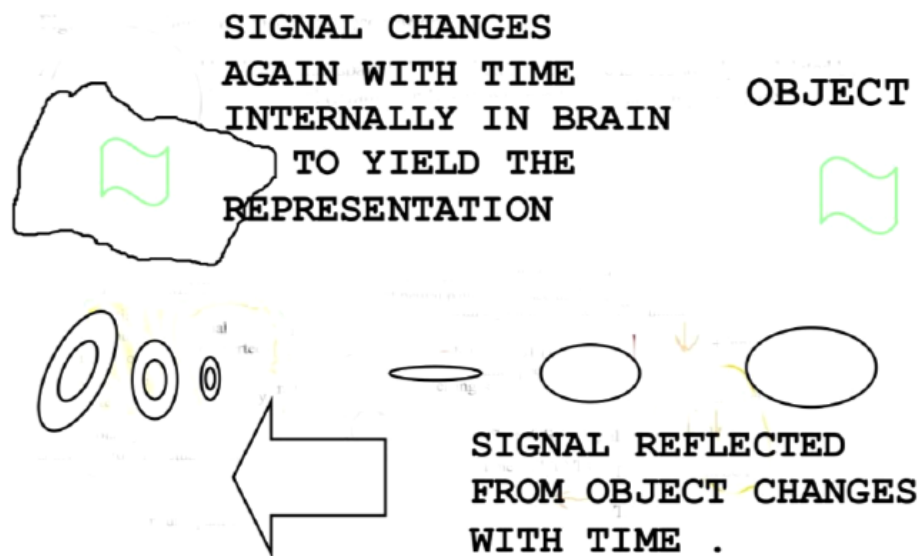
Figure - 3 - DNA is postulated to be a physical piece of path evolved from energy that had traversed the inversion surface of space to become matter

INVERSION PATH OF SPACE



All processes, in constant flux in this scheme, are postulated to occur from a comparison of self to the external in the sense that both are subject to conditions of the laws that detail space with respect to the geometry of spaces, distances, volumes, energy etc. Entity-self representations are proposed to exist as reflections of temporal differentials of transmissions modulated by conditions dictated by the laws of mass and energy, that upon change in the environment environment of energy from one space to the other as entities approach each other or engage in associations, produce a net transparency that is conceived of as a representation. In the case of visual function (figure 4),

Figure - 4 - A scheme for visual representation. Geometrical parameters of space are postulated to be both location dependant and differentially changing. Visual representation is postulated to be enabled by a change in the environment of reflected light from an object (blue figure) from the space it traverses to the internal environment of the brain. Ovals represent the substrate light as it is catalysed by the intervening space and the washers represent the intervening-space catalysed light as it is recatalyzed in the internal environment of the brain. Visual representation is postulated to accomplished as a product of the re-catalysis of the transmitted energy in the brain in which details of the visual object become extracted by means of the confrontation of forces and synthesis of respectively associated paramters of different spaces.



an energy differential representing a visual image of the external or external entities results that is maintained by an intersecting metabolic energy provided by the ingestion of food. All aspects are postulated to be laid out this way in all facets, whether witnesses pairs involving living entities or otherwise- all discussed facets, related to witness pairs, are attributed as interactions with respect to first person/entity representations as natures control/standard in that they are

more constant in relation to the external, move with the particular entity/the self ; all endogenous components bear a closer genetic relation to self than to exogenous components.

With respect to the RNA/DNA pair , as in the description of the origin of deoxynucleic acid (i.e. a lengthy transmission of energy to become DNA and a transient transmission of genetic inheritance from cell to cell), a parallel emerges if one considers RNA as a transient entity with respect to DNA. In attempts to construct the specifics of a respective parallel, a conflict results if one considers the possibility for a discrete route of emergence for the nucleosides and their subsequent assembly into DNA and RNA as a tenable route of emergence, verses the inclination to construe RNA and DNA as a single emergence but with emerged differences. The suggested paradox between a construed independent, and discrete route of emergence for the nucleosides, as they exist also as independent entities, ultimately gives witness to a conceptual paradox involving the entities of life and the inert entities of matter, as it entails, as the most logically implied path, a perspective, in contrast to a unique genealogy for mechanisms, a genealogy involving individual parts that are assembled to account for whole structures that are conceptually construed to be assembled from, with the input of energy that cannot be accounted for thermodynamically, energetically non-descript, inert matter as a precursor for life. This leads to conceptual models construed as tree like and that logically entail a unique origin that is discrete from either-i.e. a single root of a tree in which the ordinary forces and mass of two dimensional space are absent. This paradox might be witnessed in the theory of relativity (Einstein, 1955) in which a special subset of general theory is included for explanation that entails a universe composed of pluralisms that are housed within the single monism that was conceived to intuitively exist as a motivation for creation of the theory, but containing both topologically open and closed features, if not implications of a location-less space made to

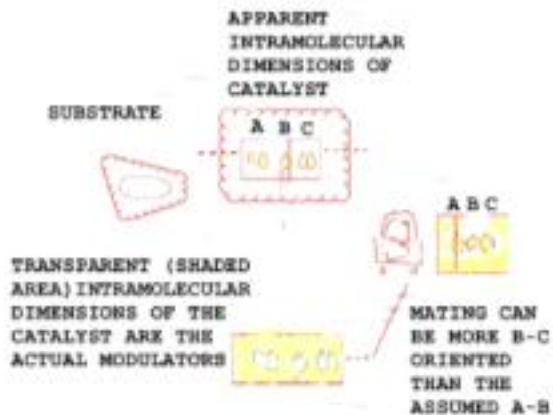
mathematical, but not common, sense. It is suggested that this trail in a description of nature involves definition of a temporal origin and is both unhandleable conceptually and false. As an alternative, criteria for witness is established with respect to first person/entity representations as ratios of self to the external (Figure 4) and is proposed to be sufficient to account for these difficulties. If it is construed that a single emergence of nucleic acids, as the entities of genetic transmission, precede conceptually the emergence of autonomously existing bases/nucleosides/nucleotides, such as uracil, uridine or deoxyuridine, in an identical scheme of apparent and transparent energy associations but is initiated with an inversion, an inversion product such as DNA, and/or light energy, each with potential multiples roles of catalyst and/or substrate, in a second step not involving the primary light energy from which the nucleic acid chains are postulated to have originated, a scheme for their emergence can be arrived at from mechanisms resembling known genetic mechanisms (e.g. unequal crossing over, deletions, additions, inversions) in succeeding steps from those postulated for the macromolecular genetic material. In this manner the emergence of the nucleotides/nucleosides/bases might be conceived to occur either independently of the emergence of the nucleic acids or in a temporal fashion from them depending on the particulars of mechanisms and genealogies that are entailed with respect to topics-i.e. it is not unfeasible that plural routes in the genealogies of the nucleosides exist with subsequent intermixed associations of the apparent and transparent kind that are separately dissected and significant only with respect to the particulars/pathways under discussion. A likeness in whole to established genetic mechanisms that are based on physical comparison, additions, subtraction, inversions is envisioned (Figures 11 a,b) with the symmetry of uracil (Figure 9) as basic in concept-i.e. transparently existing mirroring halves in which a transparent funding, sequestering, dividing energy exists a transparent component of actual functioning.

If one considers, as a possibility, a single path for the emergence of RNA and DNA, a plausible route for the emergence of the bases, nucleotides, and nucleosides (existing also as physically independent of their natural presence in parent nucleic acid structures), may involve a set of recombinations, reordering, overlap and ensuing extraction, repetition of likenesses and differences via alternating roles of substrate and catalyst (Figure 11 a,b ). The routes to the existence of the nucleosides and bases may be postulated to occur in a series of processes involving alternating roles of entities as either catalysts and/or substrates. An overlap in resemblances and differences in surviving intramolecular compositions results, if one allows entities to be either or both catalyst and substrate in steps of a series of emergences involving energy and mass, and can account for all of the discussed entities and features-i.e. RNA, DNA and the nucleosides, the components of the cell, locks and keys that define processes Uridine substituted for thymidine in RNA (might had emerged as an impetus, lending identity for homeostasis, maintenance, and reproduction if one considers the emergence of a vast energy potential division between transient (RNA) and long term (DNA) transmissions as the result of the distinctness and separation of the genealogies of respective emergences entailed by this model in which correct interpretation is dependant on a history of events.. The emergence of uracil, which possesses a structural symmetry (Figure 10) based on 3-carbon units, proposed as a model for processing and catalytic action based on the apparent and the transparent might occupy a central position in all genealogies in which it is sieved into the lower potential energy category into the cytoplasm that harbors RNA verses DNA. The existence of a transparently/ derived, potential energy related, intracellular barrier, analogous to features of the energy matter conversion involving an inversion, theorized to produce DNA, is suggested in which apparent features of cellular biochemistry are an exact consequence of an invisible parity akin to an

invisible finger in a dike, that is not directly apparent experimentally and is derived strictly from genealogies of origins. A potential for relations exists in which a resulting proximity of entities is inversely associated with the loss of potential of energy involved in the transit of energy to form matter in the form of catalysts/substrates/macromolecules in which locations of resulting mutual associations, parameters of locks and keys may be established only by historical values related to energy origins in genealogies and proximities which may have, themselves, a genealogy that narrows the probabilities of encounters to be controlled by inherited proximities that initially existed. Inverse numerical relations of the apparent (intermolecular) to the transparent (intramolecular) (Figures 1, 2, 3, 6, 8, 9) may underline an apparent deception involving falsely construed mechanisms and processes-i.e. timelines in evolution related to the segregation of characteristics and a linearly arranged genetic language that is construed more legally than may be actual in explanations of emergence. Though current data and theory seem to fit together and are not significantly diverged from predictions based on the model presented, total understanding is in the dark - many unexplained, unpredicted exceptions to theory are constantly emerging and are more easily accounted for by this more fluid scheme that focuses on, instead of the



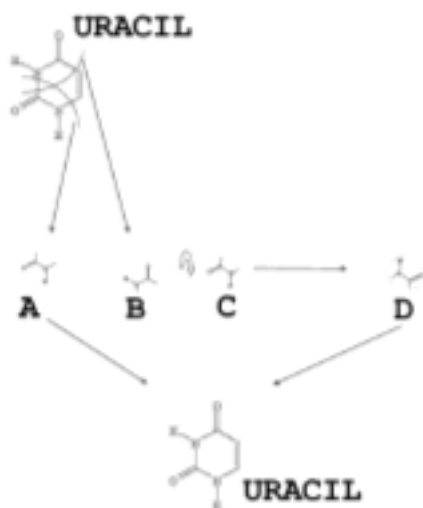
acquisition of traits, the fitting that form processes and pathways. (Figure 9).



A central role ascribable to uracil as template for life processes based on its' physical symmetry (Figure 10) in view of the energy genealogy presented as the emergence of odd asymmetrical appearing relation, is not intuitively unreasonable. In the conceptual absence of uni-directional temporal relations it allows the conception of an invisible order conceived as non-existing symmetrical mirroring halves that are automatically donated a energetic component when temporal particulars are considered; as a template for all processes. This places a pronounced importance on the elucidation with respect to the molecular geometries, symmetries, biochemical and genetic constituents of pathways to determine quantitative parameters and description that might be accommodated into the same framework described. As a important factor the helix and its' inverse (Figure 8) are oriented 180 degrees out of phase, appear to turn in opposing directions, animated representations of the egg and its' inverse also rotate in opposite directions, uracil assumes a position of stress with an applicable torque when incorporated into macromolecules, and in this model has an inherent, transparent torque with in its transparent

energy history that may constitute a constituent of the divides and parities elucidated between the nucleus and cytoplasm, if not a similar arrangement of reverse angular orientations depending on its' association in processes and location (suggesting that all features/events it may orient themselves uniquely within the angular parity described ), a role the mathematics of the mobius, parameters related to turns, distances, and surfaces, oscillations related to active events, to describe relations, as a central feature for analytical approaches may be feasible.

Figure - 10 - A + D combine to form uracil from the two fragments A and B from rotational z-y planes but cannot be synthesized utilizing this route. A route to this symmetry transparent and apparent structures that mirror each other and result in non-mirrored sequential mechanism reiterations may result in many recombinant species as explained by species observed of the nucleic acids, bases, nucleosides and energy divisions that occur in the cell. A route to mechanisms of genetic inversions, unequal crossing over, is suggested. It has been reported that chromosomal inversions are responsible for some genetic disorders (Seoighe et al, 2000).



Though a two step mechanism involving separately inert matter and living entities in a temporal order of emergence is customary in theories, here it is contained within a unit concept of genealogies involving locks-and -keys/catalyst-and-substrate. More important, with respect to the paradox introduced involving the theory of relativity, a conceptual unity and contiguity is maintained that avoids referral to origins entailing properties/entities that are beyond empirically focused conceptual description with respect to a genealogy of mechanisms. Theological paradoxes entailing infinite regresses and origins, resolved into notions of a creator, an ever present and omnipotent deity resolve into a genealogical order that dictates structures and associations, encompasses perception, cognition, intelligence, is proximal to experience, “ever present”, and leave the question of an actual creation beyond the scope of science or evolution theory.

This arrangement, of an orderable form, from which DNA, RNA, enzymes etc. emerge and associate as catalysts and/or substrates entails a description of a transparent nature of the transparent verses the apparent physical nature of structures emerged and their associations. This means of description, utilizing notions of transparent and apparent, follows a strict adherence to first perspectives of entities and also permits a complete description of a encompassing mechanism based on a concept of transparencies as dynamic energy-grams related to the physical approach, proximity of entities . The transparency, always the primary and singular ingredient of associations, a synergy modulated by physical parameters of the proximal(present) and the distal(past), is, here, determined to yield analytically inseparable witnesses in witness pair associations, less for a conjectured genealogy of origins that is strictly based on empirical observation-i.e.-observation of the egg, of nature, or related to the

determination of the biochemical and genetic components and associations within the cell and organism, etc.

### **C. Language and Actuality**

Facets of descriptive language usage, philosophical inquiries that put to question the nature of concealed faces of the objects of perception, facets of experience concerning reflexive assumptions about the likeness of hidden faces to those observed are given as mirrored from nature as a transparency of apparent and transparent relations, might raise to prominent significance, as discussed above, the symmetry in the structure of uracil (Figure 10) as a mirrored aspect related to all features in the emergence of the life processes, a mirrored process of all processes.. Uracil appears to represent the simplest structure possible to possess both a mirror symmetry and a directional parity. Additional undiscussed considerations are entailed by uracils' plural chemical composition of hydrogen nitrogen and carbon, their origin and place in the model

In the model, on a molecular level the figurative and the literal/actual become empirically interchangeable to produce combinations and recombinations that evolve into the locks and keys that modulate apparent, empirically grounded interpretation with respect to mechanisms and function.

In figure 6 a 3-D plot of energies involved in the displacement of light emitted from a moving body as an additive sum of motions at any particular angle of light radiation with respect to motion of the body(Figure 5), matches the common shape of an egg. The included video A Graphical Representation of An Egg as it Mirrors Nature highlights the congruence of size and shape of the plot of the egg and its' inverse from a three dimensional perspective might

suggest how stable apparent geometrical form can be the product of dynamically changing relations.

Figure - 5 - An oval (actual egg) is detailed physically from the emission of light from a moving mass. Figure 6a illustrates a three dimensional egg that is plotted from the addition of the velocity of a mass to the change in the velocity of light emitted from it.  $V+2\Delta C$  represents a net velocity vector along the path of motion of the mass and  $2\Delta C$  represents a velocity vector of light perpendicular to the direction of movement of the mass.

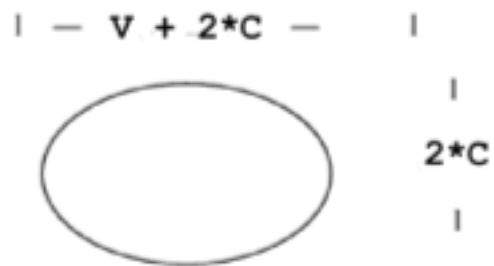


Figure 6a An egg created from plotting a radius

$R = [\text{ABS}(\sin(t_1)) + 2 * \text{ABS}(\cos(t_1))^2 + (2 * \text{ABS}(\cos(t_2)))^2]^{0.5}$  V=velocity of a moving mass= $\sin(t)$   $\Delta C$ =net change in the velocity of light= $\cos(t)$   $t_1=0$   $t_2=\phi$   $\pi < t < \pi * 10^{17}$  ABS=absolute value R verses  $1/R$  (6b) is meant to indicate apparent distances related to observation.

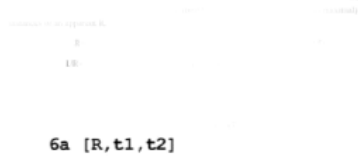
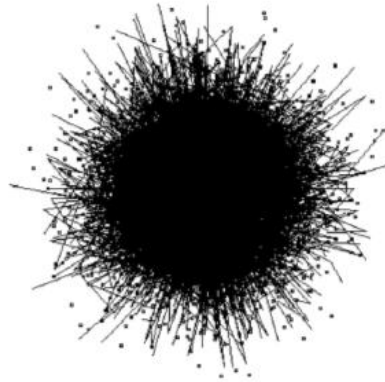


Figure - 6b a plot of  $1/R$ , meant to indicate transparent values that correspond with  $R$ .  $R$  is given in fig 6a.

**6b** [ $1/R, t_1, t_2$ ]



An inverse plot (Figure 6b),  $1/R$  ( $R$ =radius), intended to conceptually represent a transparent genealogy of the apparent egg, generates values that fall within the same range, in a different order, as those for  $R$ , and nearly consumes the same shape and volume (Figure 6c).

Figure 6c - A overlaid plot of R (figure 6a-green) and 1/R figure 6b-black). Overall shape, and dimensions are preserved when R is plotted as its' inverse in support of the hypothesis that transparent parameters involved in interactions are not only potentially congruent in value with the observed apparent but are tangential to it with respect to origin. In these trigonometric space plots, combined plots and inverses cannot be resolved to suggest a single source for a common genealogy that is able to assume a coherent meaning with respect to the empirical, but are suggested to be consolidated only by means of a description of the nature of interactions in which structure is assumed by means of a segregation of spaces, a resulting force, accomplished by interchangeable apparent/physical and transparent/(related to energy histories of events) factors which give form and substance to the paradoxes associated with a nature of many faces and yet mostly apparently connected physical form.

6 C: F(x)=[ R,t1,t2](green) + F(x)=[1/R,t1,t2](black)

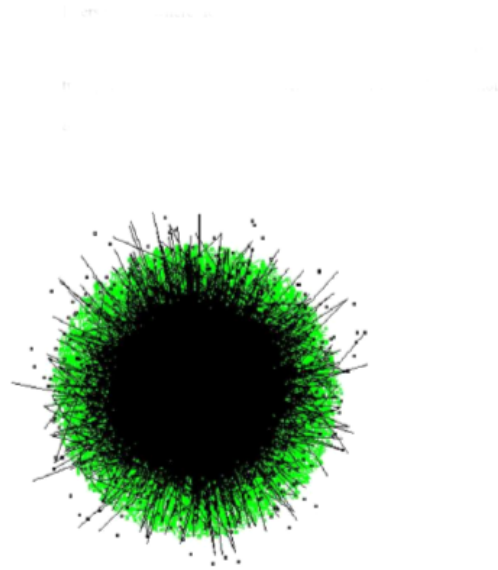


Figure 8 demonstrates the same relationship with respect to a helix.



Figure - 8 - A plot of a single turn of a simple helix representing DNA. Plots of  $R$  and  $1/R$  (as in the plots in figure 6) are congruent in shape and dimension.



In the figures dependant values of  $R$  and  $1/R$  with respect to independent parameters do not align but overlap to produce nearly identical shapes, displacement volumes- an arrangement of dependant parameters that are contained within a common range in all plots. A transparent, apparent rearrangement of parameters as explanation for apparent structure and function, as in the description of memory as both transparent and apparent emerges.

The genetic language, thus, is only an apparent property with respect to this interpretation. Its' observation is suggested to be a result of a necessity of perception combined with observation, a dependence of perception/life for the existence of two surfaces, space(s) that are actually emerged from one surface and is paradoxically observed in an apparent manner, existing that way (i.e. the linear arrangement of nucleotides in a string ). A motion birthing deception of nature, a universal potential for ambiguity in meaning, also existing in aspects of language usage is attributed in analogy to the same exchangeability of parameters of the apparent and transparent at all levels from the molecular to the more tangible objects of existence. In this same sense the tautologies used by philosophers and linguists in the validity test of sentences and propositions might be conceived to, in analogy, if transposed into a geometrical form of lengths

and truth values assume a motion from offset truth values of phrases- a valid test of a phrase would be designated to produce no motion-the universe, though, in model construction cannot be given a stillness in any aspect. In this light, this described model tested for logical structure only with respect to its' conception as a transparency of the transparent and the apparent, though internally consistent conceptually, entails a constancy only with respect to nomenclatures and conceptual mechanisms of representation of entities in associations. In nature, meaning, as in language is attributable to conceptual origins that entail perspectives related to histories of emergence and long time intervals in comparison to transiently existing life entities. In abstraction, as in reflexive perception, as in language usage with respect to meaning the apparent and transparent cannot be so easily divided, but can be ordered conceptually from experience to conceive of laws of nature in which the two might become interchangeable in the description of emergence.

1. Biological genetic processes are here attributed a like-from-like, genetic origin as a class of processes that are self belonging, i.e. genetic processes that originate genetically, but are not self belonging in the sense that life itself cannot be given as a singular genetic emergence, is not a genetic process but involves at least two distinct and intersecting energy paths with a conceptually non random framework that is unique and does not belong to its' own set. (Kirsh, 2008)
2. Multi-function genes, multi active enzymes (Kirsh et al 1978) are more easily accommodated as lock and key matching rather than enzyme –substrate matching in which nature possess a wobble in that orientation and not with respect to lock and key.

3. Cytosine is known to be capable of spontaneous conversion to uridine at room temperature. However uridine is not detected in the DNA (Kirsh 1986) though it can pair with adenosine to cause a C/G to U/A to A/T change in base pairs on DNA replication. As an additional fact pertaining to its' absence in DNA, based on this discussion, it might not be expected to be involved in mutagenic wobbling as it is suggested to be intimately associated with a lock and key function involving identity and maintenance.
4. The use of inverse functions to represent the transparent is an approximation in the sense that energy differences, i.e. displacement energies involved in the creation of volumes as functions of  $\Delta c$  are the actual topic. It may result that  $c^x / \Delta c^x$ ,  $x$  is an integer, i.e.  $x=3$  to illustrate volumes;  $\Delta c$  bearing a universally modulating association to naturally allowed velocities of masses.
5. Proximal and distal (i.e. reflected light and refracted/ ambient light/daylight) sources combined, provide the energy inputs for visual transparencies. (Figure 7)

Figure - 7a - Proximal and distal light energies define a distance. Fig 7a distal light (yellow and black lines) is relocated or transmitted to a new position (yellow lines).

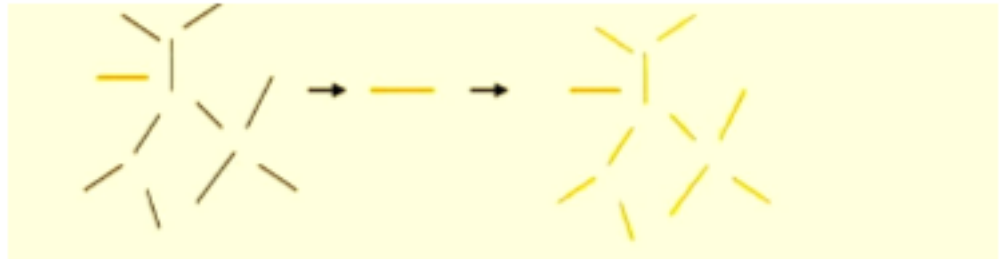


Figure 7b - Light energy (blue lines) pre-existing at a proximal location.

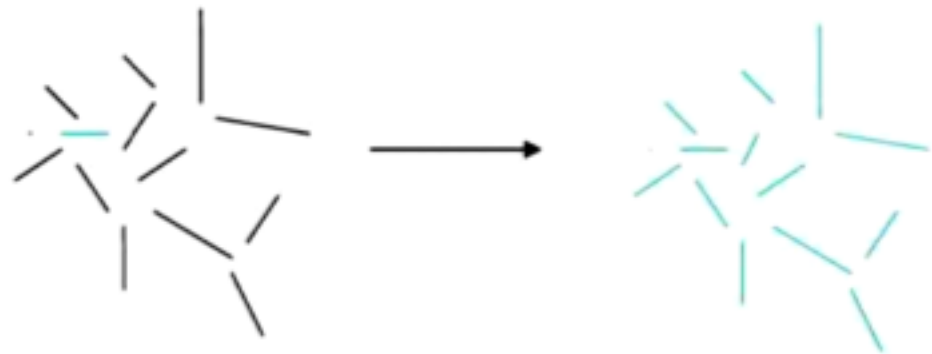


figure 7c - Distal (yellow) and proximal(blue) light energies delineate a differential distance  $D$  that is postulated to be involved in complex mechanisms involved in the mechanism of entity representation, plural roles as both catalyst and substrate in environmental relations of the human species with the earth and its' sun, in homeostatic maintenance, perception of time, etc. (see note 5).



From a first person/species perspective of location on the earth as a single apparent source (though having a dual as both an apparent and transparent source if the eye/brain is considered as a catalyst and light a substrate in the formation of

transparencies) ,energy from the sun is secondarily apparent only as a source of metabolic energy for food as a substrate and members of the species as a catalyst-i.e. as a transparent component. It is interesting to note that the entire length of human DNA is estimated to be of the same order of magnitude as the distance from the earth to the sun. Speculation, in light of these analogies, suggests strictly an alternate source of energy for processes involved in transparent aspects of a genealogy for the origin for the species than that provided by processes of the earths' sun as a transparent value for the length of the DNA would greatly exceed its apparent value in the model. If it is significant the matching of the length of human DNA to the earth sun distance suggests that it has a transparent component that is significant, both values are empirically derived from direct measurement. A direct relationship of DNA to sunlight, not construed to exist, suggests that intervening catalyst/substrate processes within the organism and cell might be accounted for as catalytic, transparent values, intersecting physically/apparently with both DNA and solar energy as substrates. If the role of the eye/brain is considered catalytic with respect to light, a role of DNA (sequestered from solar radiation) as memory in terms of its' length is suggested to be as a substrate with respect to solar radiation. This suggested duality of role of solar radiation and the nucleic acids as either catalyst or substrate is suggested to delineate time, is modulated by totally by apparent geometrical length and transparent energy differentials:

$$\text{mass} \cdot \text{velocity}^2(\text{energy}) / \text{distance} = \text{mass} \cdot \text{distance} / \text{time}^2 = \text{mass} \cdot \text{acceleration}$$

$$= \text{force}$$

A resulting net force, inversion potential, related to total surfaces involved in the sequestering of the nuclear material in the cell might be entailed to function in a manner inversely with whole transparent potentials(i.e. DNA as physical piece of memory from a descent across space) suggested to be associated with homeostatic integrity/immunological identity. The physical application of force is known to induce cancers. Direct sunlight, especially an ultraviolet component of sunlight, is reported to be a source of cancers of the skin, eye, and able to cause thymidine dimers in DNA which have a high mutagenic potential. It is also possible to account generally for apparent and transparent energies by a displacement of light energy from one location to another (Naomi,2007) involving the application of a large magnitudes of energy to exert a force to guide energies. In analogy, a short circuit in sequestering/buffering forces may result in a dedifferentiation of ordinary stabilities provided by apparent and transparent associations, destabilization/loss of identity/memory related to genealogies of origin effected by forces connected with internal exposure to energies associated genealogically with solar radiation.

Figures 11 a, b and the included animation demonstrate an origin for uracil (Figure 11 b) and uracil as a component of nucleic acids (Figure 11 a) from an exclusively transparently existing fragment that is mirrored across an inversion that defines space and a geometrically determined transparent energy for uracil that is innately derived from its' symmetry respectively.

Figure 11 A three carbon fragment of uracil existing as a mirror image in a transparent component of a genealogy for RNA. In figure 11 a large transparent energy with a transparent 3-C uracil fragment and its mirror image across the inversion acts as both a substrate and catalyst to become a uracil containing nucleic acid species. Figure 11 b shows the generation of independently existing uracil from the same transparent energy containing a transparent uracil 3-C fragment energy and mirror image as catalyst and an apparent nucleic acid strand as substrate.

Figure 11 a

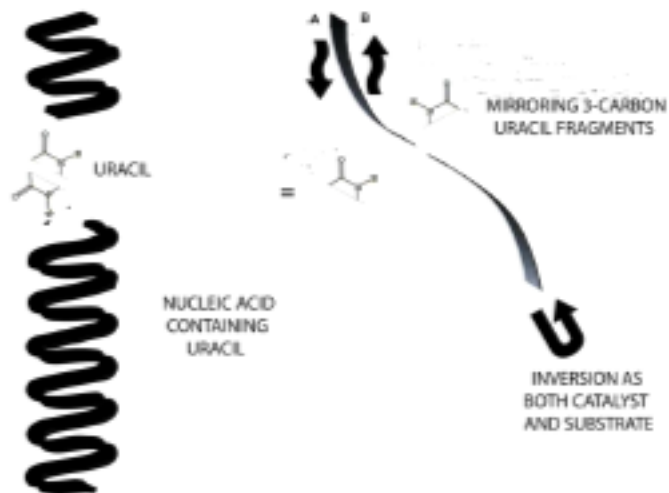
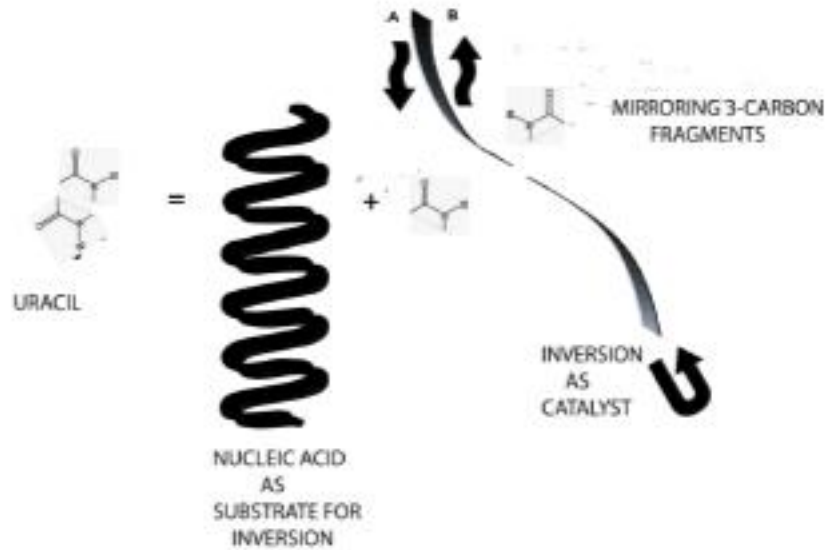


Figure 11 b



#### D. Language and Symbolism

If space, its' empirical and deduced properties is claimed as universal as proposed , where in do we account for our dreams, lingual, conscious and unconscious functioning? It is here at the juncture of test and question, I will term as "The Great Wall of Paradox" that a new orientation for approach to understanding must be undertaken. I hope to have demonstrated if 'all' proceeds from induction to deduction to induction to deduction ,etc, if all of our inductions/abstractions entail, refer back to, our starting point of sensory experience, that the current progress of civilization is stunted in the interval between an induction and an ensuing deduction that relates from our abstractions back to initial starting facts of primary sensory experience of which our knowledge of the world ascends. If an order must exist to our



conceptions, as intuition argues, something logical that defines them may be very hard to capture even a glimpse of. It is contended here that the glimpse itself is also part of the whole picture and does not need a high speed, a superfast shutter, and special technology to capture, but only a fact that the kaleidoscopes in our dreams, of language, the collage of our thoughts and symbolisms, the scrambling and re-assembly that produces the faces of life as a concoction of our awake and/or sleeping minds has a likeness in nature. As an example, what is color ? A figurative?, a concept without a tangible correlate. But it is a transparent feature descended from the apparent experience of particular colors. In analogy, in my enclosed paper the transparent property of memory is conjectured to exist physically as mass that is descended from light energy that has traversed vast distances. When we try to think of this we are still in the logical tunnel realm of life that relies on the logical additions of our preoccupations with nature and survival. But the world is a place of motion and contrasts within which no fixed standards exist. Blue can be seen as green with the correct filter. All that is retained from this experience is a memory of blue changing to green, a path from blue to green, an action that requires energy. So the concept of color is the result of a change (in this case an intentionally induced change). If one reflects carefully, all concepts are that way exclusively and involve the perception of a change in path involving particulars. The change of path itself might be denoted as a particular, but has no apparent correlate in perceived reality. It is particulars with which we construct our ideas of the faces of things, but also have concept of their change. It is intended here that, although unperceivable, originating within, that” concept” itself is a reflection from facets of change in nature that have a different set of particular values associated with them and an associated path for the differences that denote particular concepts. One might be able to imagine a volume filled with red rays or one filled with blue rays. In this example the implication of

volume entails a face to the space that is enclosed, and volume to energy ratio for blue maybe standardly different to that for red, so that the face of blue in suitable proximity of the face of red yields a change in volume/energy that is reflected, maintained as a proximal concept. This is a second order change, change from change, that is more stable, resistant, lasting ..on a different frequency from normal “first order particulars of size and shape for instance. Color as a concept is an idea about the faces of things, that is reflected from ordinary processes of nature that respond to change, conduct natural mathematical operations as simply as lengths added to lengths add up to longer lengths, tell of a total and changes in a total-face 1 plus face 2 need not add up to face 3but to a total that speaks of the presence of faces 1 and 2. ; color most likely entails an internal energy path in the brain from spaces/volumes with entailed particular parameters to other spaces/volumes with distinct ,by definition, alternate special parameters properties- i.e. change to the changes from which the particulars of color are filterable, filter to our senses. Facets of the topology, and physiology, evolved arrangements of space in the brain may create the special circumstances, reflected from processes of nature (an external nature, identical but for its’ topological arrangement ) , in which sound, light etc, input to the senses enable new internal regional associations to result in sound communications, speech and language coordination of the visual, audio etc.

Take the phrase "I am blue" for instance "I have a blue face". Presto, we are all essentially clairvoyant geniuses about nature and the ‘faces’ of the world . An understanding of it is in our language to start-we have a good command of the "bucket of particular parts” of the faces of things but have not thought about it in depth, caught our breath within the fast rate of world change, to view deliberately in retrospect, to know and compare, or at least resolve that a deducible universal rule to assemble these particulars exists. Somehow we have come to start

with the bucket of parts and a construed random universe from which we arrive at a lot of generalities and general descriptions, a near infinite way things might be arranged that is far different from an infinite number of real, actually existing, possibilities. My contention in this presentation is that we must start with ourselves and what we experience as both a beginning and end total. It is from that basis only that we might find first base.

Steps to a first base, taken from the mathematical concoction of the bucket of particulars, in current conceptions produce the "Great Wall of Paradox", the parts are the mortar. Looking for clues via scientific dissection of the parts is no more than 'dissection of the parts,' dissection of the mortar which can damage nature, and which may not reveal a whole. The bucket, though, should exclusively entail from its' contents only an alphabet of mathematics, an assortment of possible space- regionally associated conceptuels from which we begin our application of mathematics to life and nature yet somehow scientists have arrived at only a mathematics of the alphabet of language, that though can be fit to explanation of observation, the world begins, not as an engineering plan , but with observation and not preceding explanation in advance of observation for the parts of construction, unless one wants to claim a cognitive creator who thinks logically like an engineer.

We must acknowledge that man, in all his aspects must be a reflection from nature, and not visa versa. If a concept of the faces of things exists from a bucket of particulars as a representation of the cognitive and biological functioning of the human species, then from where in nature is this reflected? Nature, for example, does not contain the word color, it has many particulars of colors and still no word for it; in essence nature does not appear to have a language. I am proposing that nature does have a language that we already know, it is not the genetic code which is only a product of lingually oriented observation which is a product of

nature. For nature's language, concepts are proposed to exist literally in nature as proximity associated contrast/change derived from the contrast in properties of particular spaces through which energy passes, is modulated and remodulated location to location. An existing diversity (of concepts), a variety of representations of all interactions can be related, related to, in order to account for a logic of conscious existence that is based on primary perceptions of our surrounding.

The inductive trail of reasoning leading to the "Great Wall of Paradox" from the "bucket of particulars" starts and must again return to the self always with a philosophical deduction rather than induction, in this case filling in darker areas of science with a better relational view to the self. The "wall of paradox", of scientific paradox, emerges as a facet related to survival when inductions in a cycle of induction, deduction, induction, deduction become incomplete and alien to the senses, not necessarily related to life experience, trail off into a realm of description that, regardless of their complexity, are absent of deduction relations to primary sensory experience.

In the graphical representation of an egg (figure 8) apparent and hypothetical transparent properties of the egg are reconciled in a unique mathematical way, but are potentially reconcilable in other ways. A sphere and its inverse for example have identical shapes and comparable sizes, as does the representation created with trigonometric functions. However an off-center center or changing center of mass/gravity is impossible to explain with the mathematics of a sphere. Both types of representations can be made to appear identical with each other in gross features but under the surface conceptual differences are pronounced. The sphere has a simple center though which every point has a mirror, the egg demonstrated from trigonometric functions has no center at all and a plot trail length that would dwarf the dimensions of the egg. In these cases appearances are exactly deceiving-each representation is

exactly different from the other though they appear identical. In reference to the sphere as a representation, stationary representations, pictures, are at the level of sensory experience, in the presented model, the products of second order change, the intersection of change with change. If one asks how such accelerating intersections produce stable interpretations/representations, it must be that accelerating components meeting in intersection bear an underlying identical universal property, property of space, of the paths of space of which they belong, perhaps as mating partners in which energy histories and contemporary structures of masses as they relate to spatial distances are never, cannot be, far adrift of one another if physical proximity is present.

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## **Conclusion**

A world of proximity, distance constrictions might be taken as the world itself, rather than as description. Length proximity of the initial point on egg plots to the end point verses those of a simple sphere paint very contrasting views, a resulting hidden behind the scenes reality, that is not composed of conceptual inductions such as electrons, protons, etc. but of lengths and cycles that not only are strictly relative, composed of ratios, proximity factors, without temporal factors, maybe relatable physically to a potential ratio of the various frequencies and proximities (- e.g. chicken to egg to chicken... ) associated with mating cycles of different species. A chicken might not have an associatable center, as a near spherical egg might stimulate the imagination to investigate, study of the symmetry of the egg is futile/meaningless if it cannot be related to the movements of the chicken. The point here is that not only is mathematics useless, meaningless without empirical observation, gross observations of both the

chicken and the egg, but that this fact is not applied diligently in modern sciences that deal with abstract elucidations such as the constituents of atoms in which real meaning escapes and does not return to the sound and coherent estimation of the senses in the construction of the environment, i.e.- in relation to the senses, to self and survival as the only conceivable meaning.

I hope to have demonstrated an underlying principle that can account for the great diversities of observation, a theoretical context with which to confine into proportion a set for the allowable faces of structure and function, adaptation and change, progression with time of populations over the environment. It is hoped that those walls and divisions premeditating distinct paths of change, convergences, divergences, parallel phenomenon might attain a more fluid interpretation than those based on random paths of migration, meeting, adaptation, genetic expression, so that the discrimination of one species from another for definition, identification, might find an understanding that is based on a latitude for structure that has a common unifying element that is common to all/preceding states as successive progenitors, a specific traversed path of changes that have, as a common denominator certain desired identifiers that constitute inherent unchangeable distinctness that are unique and single to each path as actual states are traversed to the present

A world defined as a place of proximities and past associations with respect to a geometrical energy genealogy scale of birthing processes, the egg before the chicken as a happening, conceived within a nonrandom, but homogenous throughout, identifying order, here is intended to become categorized, in micro to macro aspect, in the facets of associations with that same notion into a more actual set of classes. Mankind's origin, the origin of other species, migrations, potential re-meeting, subsequent expansion are envisioned to be modulated by

allowances, permissible crossing denoted by a flexibility in the barriers related parametrically and allow for associations as endowed and comprehensive to an entire unique progression in which a certain state that is evolved from parameters of proximity, is common and unchangeable throughout, both in internal structure(s) in organisms and entities as whole, within the actualities, actualities of the modulators of associations, of which an assessment of more readily obtainable apparent notions from test and observation, conceptually may or may not overlap, .- I am so and so alike or different from my environment partners with respect to an underlying state that is consumed as self that only certain potential associations can be assumed upon the events of proximity. To re-stress, proximity, expressed as transparent (past energy potential related) and a mathematically related apparent proximity is postulated to be the sole conceptual element and is proposed to function dynamically in all aspects of interactions ranging from the assumption of all classifications to the "seeing" "knowing" identification (of self, pseudo-self) involved in interactions upon the re-accomplishment of proximity. Apparent likenesses may not exist, non apparent others invisibly allowing cohabitation, modulating varied associations, allowing or not reproduction.

Buried within concepts of the apparent and its hypothesized relation to transparent, history dependant factors is a potential key for the ordering of physical law as it relates to structure and function, more important, to processes.

## References

Einstein, Albert (1955) *Meaning of Relativity* 5th ed. Princeton University Press Princeton N.J..

Kirsh, Marvin, E., Dembinski, D, and Hartman, P.E. (1978) Carnosinase in *S. Typhimurium* J. Bacteriol. 1978 May; 134(2): 361-374.

Kirsh, Marvin, E., Hartman, P.E., and Cutler, R.G. (1986) Absence of deoxyuridine and 5-hydroxymethyldeoxyuridine in the DNA from three tissues of mice of various ages. *Mech. Ageing Dev.* 1986 Jun;35(1):71-7.

Kirsh (2008) Social Science Research Network Working Paper Series, Uniqueness and Self Belonging in Nature (under review in *Theory in the Biosciences*)  
[http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1280584](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1280584)

Kirsh, Marvin, E. , (2009) Social Sciences Research Network Working Paper Series, The Universe Framed with Respect to Paradox: Is Memory Physically All That Exists?  
[http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1280605](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1280605)

Kirsh, Marvin, E. (2009) Social Sciences Research Network Working Paper Series  
Induction, Space and Positive Ethics (in press) *Ludus Vitalis*  
[http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=1280594](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=1280594)



Naomi S. Ginsberg<sup>1</sup>, Sean R. Garner<sup>1</sup> and Lene Vestergaard Hau (2007) Coherent Control of Optical Information With Matter Wave Dynamics, *Nature* 445,623-626(8 February 2007).

Seoighe, Cathal et al, (2000) Prevalence of Small Inversions in Yeast Gene order Evolution, *Proc Natl Acad Sci U S A*. 2000 December 19; 97(26): 14433–14437.

Weisstein, Eric W. "Helix." From MathWorld--A Wolfram Web Resource.

<http://mathworld.wolfram.com/Helix.html>.