

Exploration

Mind & the Expressions of Mind

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Abstract

This article presents a theory of mind and the expressions of mind by way of an explanation of how our universe and 'consciousness' came about but it does so in a non-dogmatic way. It represents science as a melding and correlation of philosophies from a multitude of disciplines with a logical framework whereby terminology may be shared with other theories, although meanings may differ. Accordingly, attributes from theories have been used which have symbolic meaning and include energy, matter, space and structure. These represent expressions of mind according to this theory and thus are phenomenological representations. Terms are defined throughout the text and illustrations are provided which may serve to further clarify concepts.

Keywords: Mind, consciousness, energy, matter, dark, normal.

Introduction

Pure awareness, pure mental, and mental images represent three fundamental expressions of mind and thus as states of mind. Accordingly, the relationship between them may be understood in the relationships which bring them together and will be discussed going forward by way of the phenomena that represent these fundamental expressions of mind: Dark energy representing the pure awareness state will be denoted dark energy/pas; focal points of dark matter (FPDMs) representing the pure mental state will be denoted FPDMs/pms; and normal matter representing the mental images state will be denoted normal matter/mis. Mind without beginning or end can express itself. In doing so three fundamental realities are manifested which will be discussed in the text: Inconceivable reality, unobservable reality and observable reality (see Figure 1):

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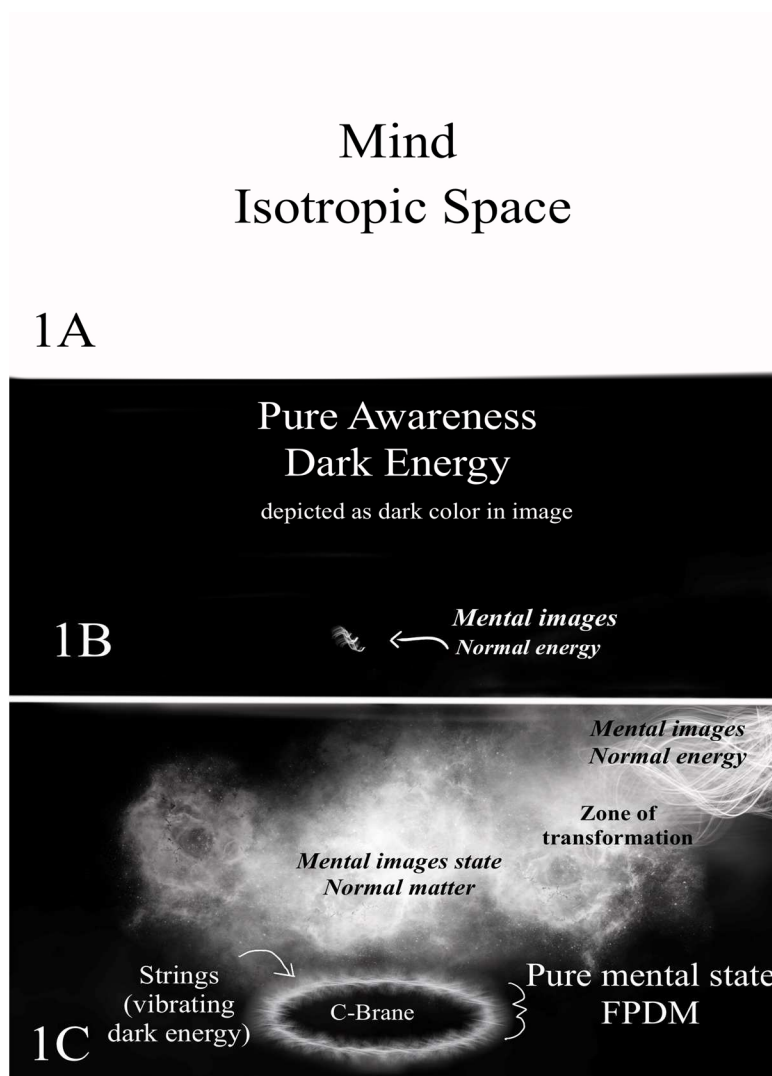


Figure 1

- 1A. Mind may be simply ‘inconceivable’ represented by isotropic space and can express itself.
- 1B. Mind may express itself as pure awareness represented by dark energy, but where normal energy representing mental images is present but not expressed. Accordingly as two *non-interacting* energies (i.e., dark energy and normal energy) in a structured relationship, the nature of mind manifests as ‘unobservable reality’ and a macrocosm.
- 1C. Mind may express itself as pure awareness and mental images with the potential for transformation represented by dark energy and normal energy respectively.

Therefore as two *interacting* energies (i.e., dark energy and normal energy) in a structured relationship, mind, in addition to pure awareness and mental images, expresses itself as pure mental represented by focal points of dark matter (FPDMs). Accordingly as three entities (i.e., dark energy, FPDMs and normal matter) the nature of mind manifests as ‘observable reality,’ in a macrocosm, a microcosm and intelligence. In the macrocosm where the cause is substantial, unconscious intelligence emerges whereby the cause and effect communicates the nature of mind in a similar way. This is represented by FPDMs/pms with the intelligence of primordial consciousness emerging from the universe’s dark energy/pas. In the microcosm where the cause is a cooperative condition, conscious intelligence emerges whereby the cause and effect communicates the nature of mind in ways which may be quite dissimilar. This is represented by embodied FPDMs/pms with primordial consciousness interacting with normal matter/mis with the intelligence of conscious events and by way of their *relationship* conscious intelligence emerges (i.e., ‘consciousness’).

Accordingly the ‘dimensions of unconscious intelligence’ (i.e., ‘dimensions of primordial consciousness’) of FPDMs/pms and normal matter/mis with the intelligence of conscious events are connected. They are connected by relationship whereby particular events act as stimuli termed Feelings of Knowing (FOKs) (discussed in the text), the nature of mind is spontaneously communicated as conscious intelligence (i.e., ‘consciousness’)(1). Therefore conscious intelligence ‘consciousness’ includes subjective experience, but always in relation to the close analogues ‘primordial conscious dimensions’ and variation in the intelligence of conscious events. In this way, reality and the expressions of mind are synonymous.

This theory may thereby represent a useful tool for explaining how mind with its three states functions, arranged in what may be a coherent logical scheme of cause and effect which may occur during historic events:

- **‘Inconceivable’ reality prior to the formation of the macrocosm**
Mind, inconceivable and represented by isotropic space with properties that were uniform thus had features which would be impossible to measure. Accordingly isotropic space represented a certain continuity of mind and due to its immeasurable potential for transformation, expressed itself (see image 1A).
- **‘Unobservable’ reality and formation of the macrocosm prior to the Big Bang(s)**
Mind was not ‘created’ as if it came into existence, exists, and will cease to exist. Mind with infinite *potential* and in an essential way, expressed itself as a distinct state, pure awareness and an indistinct state, mental images. Accordingly isotropic space as a single fundamental entity representing mind manifested a macrocosm with dark energy as a homogeneous expanse representing the pas and normal energy representing mis. Dark energy/pas was a much larger mass density as compared to normal energy/mis (2). Therefore what came into existence was *transformation* whereby the former is an extension of the latter (see image 1B)

Pure awareness as a state of mind lacks a discernible pattern and thus cannot be mentally grasped as data. Accordingly the pas may be characterized as having an 'illuminate' nature beyond all concepts of existence and non-existence, subject/object reference, and a sense of an independently existing 'local' self. Dark energy representing the pas is an unknown influence causing the rate of expansion of the universe to increase and time in the macrocosm to be a homogeneous measurement that fills the whole of space-time.

- **'Observable' reality, the Big Bang(s), the formation of the microcosm and intelligence**
The nature of mind manifests as 'observable reality' in a macrocosm, microcosm and intelligence due to mind having expressed itself as three fundamental states (i.e., pas, pms, mis). Accordingly these states can communicate the nature of mind uniquely but only due to their relationship with each other, or mind itself and where particular movement exists between the three states as action, reaction, cause and effect. Mind with its three states and the manner by which they currently function will be the focus of the remainder of this article and by way of the historic events: 'Observable' reality, the Big Bang(s), the formation of the microcosm and intelligence.

Relationships that began with the Big Bang(s)

The Big Bang(s) may represent the start of this cycle which is one of an infinite number of cycles of interactions. (3). Accordingly in the macrocosm, dark energy/pas is transformed into compacted multi-dimensional space by way of filaments of vibrating dark energy (i.e., open strings and closed strings)(4). This was due to it being a much larger mass density than normal energy/mis and the possibility that normal energy/mis would have been 'swallowed up' rather than engaging in relationship with dark energy/pas. Therefore dark energy/pas morphed and manifested perfect geometric shapes of vibrating strings of dark energy circles emerging as FPDMS/pms. A circle of dark energy/pas demarcated by vibrating dark energy strings (i.e., open, closed) is a membrane of compacted multi-dimensional space termed a C-brane (5) (see image 1C). Accordingly a C-brane is an 'object' which generalizes the conception of a round two-dimensional shape to the higher dimensions of dark energy/pas. It serves as a 'storehouse' for strings (i.e., open, closed) which are not destroyed, but rather are converted from open to closed or closed to open (6).

Two types of strings (i.e., open, closed) as vibrating dark energy/pas when in a circle create a C-brane. This creates limits, consequence and duality as relates to the transformative properties of the universe's dark energy/pas and compacted multi-dimensional space (i.e., C-brane). Accordingly FPDMS/pms represent a mechanism by which the non-local gravitational field of dark energy/pas in the macrocosm becomes local (7). The emergence of FPDMS/pms due to particular action by dark energy/pas as the morphing of vibrating strings (i.e., open and closed) brings

about a change in universal local properties. This as a consequence causes the transfer of dark energy/pas (8). Therefore a FPDM/pms is increased by way of an amount of concentrated dark energy/pas whereby some of its *closed strings* change vibrations from their ground state to their first excited state (open and closed strings share the same ground state when vibrating with a minimal amount of energy and the lowest mode of vibration) (9). Consequently a FPDM/pms generates momentum as gravity/awareness in motion and this pulls normal energy/mis towards it (see image 1C).

The outcome of this event is transformation. Accordingly normal energy/mis not previously expressed is expressed as normal matter/mis with the intelligence of conscious events that embodies each FPDM/pms. Therefore gravity in the macrocosm is not a force but rather a consequence of the curvature of homogenous dark energy/pas that transforms into FPDMs/pms. These events 'highlight' the transformative properties of the states of mind (i.e., pure awareness state [pas], pure mental state [pms] and mental images state [mis]) which may occur, but not without consequence due to their interdependent relationship. Accordingly FPDMs/pms are the means by which dark energy/pas as a homogenous expanse with attributes that are non-local in the macrocosm are transformed into local qualities in the microcosm. This allows it to engage in relationship with normal matter/mis in innumerable ways.

When embodied by normal matter/mis, FPDMs/pms are no longer in the macrocosm but instead are located in the microcosm. FPDMs/pms are the dark energy/pas of the macrocosm folded into a discrete volume of normal matter/mis. Accordingly they may have a size comparable to a hypothetical length-scale with no smaller length possible which has a definite meaning, or may be modeled as having no width. Each FPDM/pms has its own position on the universe's dark energy/pas substrate layer in relation to all other FPDMs/pms. Therefore the microcosm represents a set of circumstances characterized by innumerable relationships of FPDMs/pms embodied by normal matter/mis. Accordingly the microcosm 'encapsulates' the features of something larger (i.e., dynamical macrocosm/relationships between the states of mind) (10). Normal energy/mis is most commonly in its form as normal matter/mis which embodies FPDMs/pms. The momentary occurrence where normal energy/mis is in the form of normal energy/mis is brief and undetectable.

Configuring Relationships in the microcosm

In the microcosm gravity is too weak to configure normal matter/mis that embodies FPDMs/pms. Accordingly in the microcosm the fundamental force associated with configuring relationships is electric and magnetic fields (i.e., electromagnetic force) generated by the vibrations of strings (i.e., open, closed). This organizes normal matter/mis into an integrated unit.

Embodied in the microcosm while interacting with normal matter/mis, open and closed strings of FPDMS/pms vibrate in their excited state and create forces (i.e., contact forces) as electromagnetism. This causes normal matter/mis to bend and give way and with stresses upon it turns 'outside-in' or 'inside-out' (11). Over billions of years of relationships where FPDMS/pms interacted with normal matter/mis in the microcosm, an electromagnetic force was produced which caused normal matter/mis to fold in on itself. This increased available surface area needed to accommodate circuitry as normal matter/mis began configuring more complexly in reaction to the evolving complexity of relationship. Accordingly normal matter/mis convoluted with columns where 'minute circuits' that function as processors (perhaps with billions of components) are centered. Therefore intricate functions duplicate over and over the more convoluted normal matter/mis is configured.

Normal matter/mis is configured uniquely in the microcosm and accordingly functions differently. Although it is configured differently, what is similar is that its circuitry generates data patterned as electrical activity and creates electromagnetic radiation (EMR): waves of energy that travel at the speed of light in which electric and magnetic fields vary simultaneously. Similarly, patterns of vibrational activity generated by the open and closed strings of a FPDM/pms creates EMR. Thus patterns of electrical activity occurring in normal matter/mis and patterns of vibrational activity occurring in strings (i.e., open and closed) are both forms of EMR. The difference between them lies in their frequency, (i.e., how often waves of energy peak and trough in a given second).

Electrical patterns generated by the active circuitry of normal matter/mis are transmitted by way of EMR to FPDMS/pms. Therefore the vibrating open and closed strings of a FPDM/pms receive normal matter's data and they transform it by way of patterns of oscillation (i.e., vibrational activity). In a similar manner, vibrational patterns generated by open and closed strings in their excited state are transmitted to normal matter/mis by EMR. Therefore active circuitry of normal matter/mis receives the data of a FPDM/pms and they transform it by way of patterns of electrical activity. Accordingly FPDMS/pms and the normal matter/mis that embodies them are in a communicative structured relationship. Correspondingly they influence each other during every instant, but where there may be a delay in time between the moment the data is sent and the moment the information is received.

Cyclic (although not repetitive) relationship in the microcosm

Mind having expressed itself in a way that manifested three states (pas, pms and mis) in the macrocosm, expresses itself by way of innumerable relationships that take place in the microcosm. While in an embodied relationship in the microcosm, FPDMS/pms with primordial consciousness and normal matter/mis with the intelligence of conscious events each 'play' an integral part in

their relationship. It is a two-way emergent process where their relationship evolves by way of unconscious intelligence (i.e., primordial consciousness) and the intelligence of conscious events. The relationship is then communicated as conscious intelligence (i.e., ‘consciousness’):

- Unconscious intelligence: Due to the transformation of dark energy/pas to FPDMS/pms, the nature of mind is expressed as unconscious intelligence (i.e., primordial consciousness) that is intelligence of awareness and is dualistically transmitted by way of the vibrations of two types of strings (i.e., open and closed).
- The intelligence of conscious events: Due to normal energy transforming to normal matter, the unmanifest state of mind mental images manifests as the intelligence of conscious events. This intelligence is highly reactive and ‘informative,’ and provides a useful dimension to the relationship between FPDMS/pms and normal matter/mis by way of data.
- Conscious intelligence (‘consciousness’): When FPDMS/pms and normal matter/mis first began embodied relationships in the microcosm billions of years ago, their relationship was a volatile two-way emergent process. Accordingly changes in their affective reactivity correlated with the degree of plasticity occurring in normal matter/mis with the intelligence of conscious events (12). Therefore the nature of mind expressed by embodied relationships that existed billions of years ago could be characterized as one of little acquired knowledge or understanding through thought.

Flexibility is a distinctive attribute of embodied relationships between FPDMS/pms and normal matter/mis. It describes a potential flow of that relationship as the degree by which it may be easily modified and thus is the predictor of change. Where no flexibility exists in relationships, cognition will not be expressed as part of conscious intelligence (i.e., ‘consciousness’) (13).

Vibrating strings, the ‘record keepers’ of relationships

Embodied FPDMS/pms with open strings and closed strings interact with normal matter/mis in a myriad of ways. Strings (i.e., open, closed) always vibrate in either their ground state (i.e., vibrating with a minimal amount of energy and the lowest mode of vibration) or their excited state (i.e., vibrating at an elevated energy level which is more than the ground state). While FPDMS/pms with primordial consciousness are embodied, strings change vibrations from their ground state to their excited state once enlisted. They are enlisted due to primordial events of unconscious intelligence (i.e., primordial consciousness). Enlisted strings (i.e., open, closed) vibrate in different patterns. This is due to their reactivity to signals they receive from normal matter/mis with the intelligence of conscious events. Strings attached to a C-brane are part of the configuration of FPDMS/pms that all share the same origin. All FPDMS/pms in the microcosm are derived

from the transformation of dark energy/pas in the macrocosm and thus the former (i.e., dark energy/pas) is an extension of the latter (i.e., FPDMs/pms).

Accordingly the oscillations of two types of strings (i.e., open, closed) are the means by which *pure awareness* as represented by the dark energy of the macrocosm, manifests as *motion of awareness* (i.e., instead of pure awareness) in the microcosm. Although their exact number is unknown, each FPDM/pms interacting with normal matter/mis for the first time will have an equal number of closed strings and open strings which neither increases nor decreases:

- Enlisted open strings: vibrate in a way that correlates with their reactivity to the signals they receive from normal matter/mis that act as stimuli. Open strings (once enlisted) vibrate in a way whereby there is *no modification* as relates to their reactivity to stimuli (i.e., signals).

Accordingly open strings vibrating in their excited state represent reactions of awareness by way of periodic motion (i.e., oscillation) as a response to the activity of the intelligence of conscious events. Therefore open strings consistently react with vibrations whereby normal matter/mis will be the state of mind that predominantly expresses the embodied relationship. This creates the data for the ‘consciousness’ of open strings and the nature of mind will be communicated by way of *habitual* behavior patterns.

- Enlisted closed strings: vibrate in a way that correlates with their reactivity to the signals they receive from normal matter/mis that act as stimuli. Closed strings (once enlisted), vibrate in a way whereby there is *a degree of modification* as relates to their reactivity to stimuli (i.e., signals).

Accordingly closed strings vibrating in their excited state represent reactions of awareness by way of oscillation (i.e., periodic motion) as a response to the activity of unconscious intelligence (i.e., primordial consciousness). Therefore closed strings consistently react with vibrations where FPDMs/pms will be the state of mind that predominantly expresses the embodied relationship. This creates the data for the ‘consciousness’ of closed strings and the nature of mind will be communicated by way of *flexible* behavior patterns.

If the relationship communicates the nature of mind by way of the ‘consciousness’ of open strings or the ‘consciousness’ of closed strings this causes string conversion. Accordingly strings are not destroyed but are only converted and thus an open string converts to a closed string or a closed string converts to an open string.

Enlisting vibrating strings, the ‘record keepers’ of relationships

Open and closed strings vibrating in their ground state receive the flow of data from normal matter/mis as signals transmitted by way of EMR. Accordingly a FPDM/pms, with unconscious intelligence and in the moment, is aware of the number of strings needed to accommodate the flow of data generated by normal matter/mis. Therefore a FPDM/pms engaged in primordial events (and thus aware of the population of its strings), enlists the number of strings (i.e., open, closed) needed on a momentary basis. This means that not every string of a FPDM/pms may be enlisted. There are some strings that may remain in their ground state and in this state (open, closed strings share the same ground state) one end of the string is attached to the C-brane and one end is open. When enlisted to transform data (generated by active circuitry as electrical activity) occurring in normal matter/mis, strings (i.e., open, closed) reactively change their vibrations to their excited state. Accordingly, strings (i.e., open, closed):

- vibrate similarly when in their ground state and while transforming data for sense impressions.
- vibrate differently when transforming data for mental events.

In this way, the vibrations of two types of strings (i.e., open and closed) attached to a C-brane represent the *potential* for dualistic expression of relationship. The ends of a string attached to a C-brane may move in one or more dimensions or the ends of the string may ‘fix’ to the C-brane. Enlisted open strings vibrate in a way that correlates with their reactivity to the signals they receive from normal matter/mis. Where there is no modification as relates to their reactivity to stimuli (i.e., signals), enlisted closed strings vibrate in a way that correlates with their reactivity to the signals they receive from normal matter/mis and where there is a degree of modification as relates to their reactivity to stimuli (i.e., signals).

Strings (i.e., open, closed) that reactively change their vibrations from their ground state to their excited state once enlisted, will vibrate similarly. They do so when receiving signals from normal matter/mis representing data to be transformed for sense impressions. Accordingly the C-brane functions similarly to a frictionless one dimensional ‘object.’ Although strings (i.e., open, closed) of FPDMs/pms when in their ground state have one string end attached to the C-brane, once enlisted (to transform data for sense impressions) both ends of a string may slide up and down (as if doing so within a ‘frictionless hoop’). The curvature (i.e., gradient or differential) of the string, however, is constrained at its end points. Therefore the vibrations of open and closed strings while transforming the data of normal matter/mis for sense impressions, are similar.

Strings (i.e., open and closed) that reactively change their vibrations from their ground state to their excited state once enlisted, will vibrate differently. They do so when receiving signals from normal matter/mis representing data to be transformed for mental events:

- Enlisted open strings change their vibrations from their ground state to their excited state by bending so that their free end fixes to the C-brane. Thereby open strings now have fixed end-points with both ends attached to the C-brane. This specifies the conditions of the end-points and determines the frequencies at which open strings may vibrate.
- Enlisted closed strings change their vibrations from their ground state to their excited state by bending so that their free end ‘taps in’ to the C-brane. Thereby the free end of a closed string now penetrates the C-brane and whirls into compacted multi-dimensional dark energy/pas. Although the free end of a closed string may not be ‘seen’ whirling beneath the surface of a C-brane, it may whirl until it meets and connects with the other end of the string. In this way, the ‘tapping in’ and whirling by the free end of the closed string functions as a kind of momentum (i.e., movement of awareness). The ‘tapping in’ and connecting by the free end of the closed string vibrating in its excited state, however, is temporary and the free end eventually disconnects from the other end of the string. When this happens, the string recoils and configures to its previous ground state (one end attached to the surface of a C-brane and the other end free). Accordingly closed strings in their ground state receive signals from normal matter/mis in a way which is similar to open strings vibrating in their ground state.

Normal matter/mis generates data incessantly and FPDMS/pms will engage in primordial activity (i.e., primordial events) and create primordial algorithms for sense impressions and mental events. While in an embodied relationship, electrical patterns generated by the active circuitry of normal matter/mis are transmitted via EMR (i.e., electromagnetic radiation) to FPDMS/pms. Accordingly the open and closed strings of a FPDMS/pms vibrating in their excited state transform the data of normal matter/mis by way of patterns of oscillation (i.e., vibrational activity). This creates a dualistic response to the relationship and as electromagnetic waves (EM waves), oscillating magnetic and electric fields. Consequently the vibrations of strings (i.e., open, closed) in their excited state create EM waves of open strings and EM waves of closed strings. The waves represent data of relationship between FPDMS/pms and normal matter/mis. This data will be encoded by a FPDMS/pms engaged in primordial activity (i.e., primordial events) into primordial algorithms for sense impressions before it is encoded into mental events. Once primordial algorithms are created, they will be linked and the order and linkage of primordial algorithms will determine the content flow of ‘consciousness’ (i.e., conscious intelligence). This will communicate the nature of mind characterized by way of eight distinct attributes (to varying degrees): linguistic, logical-mathematical, musical, bodily-kinesthetic, spatial, interpersonal, intrapersonal, and naturalist (14). Accordingly, unconscious intelligence manifesting as primordial events (i.e., primordial activity) precedes the expression of relationship as conscious intelligence (i.e., ‘consciousness’) and where sense impression is communicated before mental event.

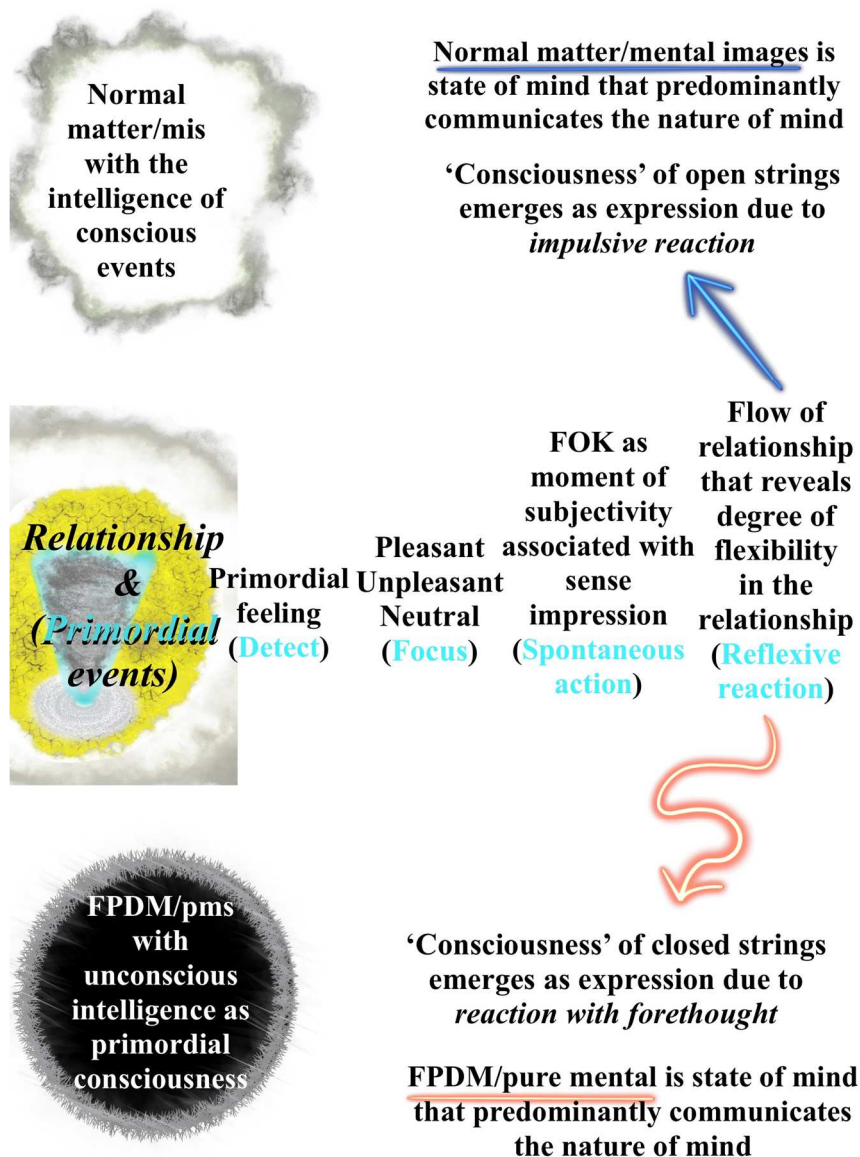


Figure 2

Primordial algorithms, rules of relationship (see Figure 2)

Sense impressions are sense organ perceptions (15):

- exteroceptive body (e.g., sight, hearing, touch, smell, taste, thermoception, pain)
- proprioceptive senses (e.g., position, motion state)
- interoceptive body (e.g., physical sensations)

Mental events and conscious percepts are specific content of conscious intelligence ‘consciousness’ (15) as emotions, thoughts, memories (16) and affective feelings, examples:

- perceptual stimuli (e.g., inner speech, dreams, visual imagery)
- fleeting present and its fading traces in immediate memory
- emotions (e.g., happiness, sadness, fear, anger, surprise, embarrassment, jealousy, guilt, and pride) (17)
- autobiographical episodes (experienced and recalled)
- expectations and effortful voluntary control
- explicit beliefs (about ‘self’, about the world)
- novel skills
- abstract concepts
- affective feelings (e.g., nociception, disgust, empathy)

FPDMs/pms with unconscious intelligence (i.e., primordial consciousness) while engaged in primordial events will express awareness with movement that will be both generalized and specific (see image 2). The movement of awareness will be generally expressed and thus ‘radiant’ when FPDMs/pms are methodically scanning patterns within EM waves. Alternatively the movement of awareness (due to stimulated emission) will be specific while FPDMs/pms *detect* patterns present in EM waves; this creates primordial feeling. They will then *focus* on the variations of patterns within EM waves whereby variation is grouped; this creates pleasant, unpleasant, or neutral Feelings of Knowing (FOKs) as events which act as stimuli. A FPDM/pms by way of spontaneous action will then capture with the movement of awareness small amounts of data (i.e., ‘atoms’).

These ‘atoms’ will be reflexively encoded into primordial algorithms for sense impressions which are melded with pleasant, unpleasant, or neutral FOKs. The moment that the relationship between a FPDM/pms and normal matter/mis is expressed as an ‘object’ of awareness in the form of a sense impression (i.e., pleasant, unpleasant, or neutral), the relationship spontaneously transforms. Accordingly it shifts from one that expresses unconscious intelligence (i.e., primordial events) and the intelligence of conscious events into a relationship that communicates ‘consciousness.’ However the expression of ‘consciousness’ is simply a pleasant, unpleasant, or neutral sense impression.

Due to the relationship between FPDMs/pms and normal matter/mis evolving over time, cognition is included as an attribute of conscious intelligence (i.e., ‘consciousness’). The ‘consciousness’ of open strings, the ‘consciousness’ of closed strings, or a combination of both (i.e., consciousness) will predominantly express the relationship in a given moment. This begins with a momentary reaction to a sense impression (i.e., pleasant, unpleasant, or neutral). Accordingly an *impulsive reaction*, a *reaction with forethought*, a *reflexive reaction* to a sense impression, determines the manner by which the relationship gets expressed as an emergent property of ‘consciousness.’ Therefore a ‘moment of subjectivity’ to a sense impression manifests as an *impulsive reaction* (i.e., attachment or aversion) or is ‘overridden’ due to *reaction with forethought* (i.e., equanimity) or *reflexive reaction* (i.e., unnoticed). Accordingly the degree of flexibility in relationship is revealed by way of reaction and there is consequence.

Whatever reaction (i.e., impulsive reaction, reaction with forethought, reflexive reaction) to a sense impression (i.e., pleasant, unpleasant, or neutral) manifests acts as a stimulus. Accordingly a FPDM/pms will then reflexively encode ‘atoms’ into primordial algorithms for mental events (in a similar manner as it did when encoding algorithms for sense impressions). These are melded with the stimuli FOKs (i.e., pleasant, unpleasant, or neutral). Therefore primordial algorithms will be linked and this creates a flow of ‘consciousness,’ and content:

- *impulsive reaction* to a sense impression (i.e., pleasant, unpleasant, or neutral): normal matter/mis is the state of mind that predominantly communicates the nature of the relationship and by way of the ‘consciousness’ of open strings.
- *reaction with forethought* to a sense impression (i.e., pleasant, unpleasant, or neutral) implies that an impulsive reaction was ‘overridden’ and thus a FPDMs/pms is the state of mind that predominantly communicates the nature of the relationship and by way of the ‘consciousness’ of closed strings.
- *reflexive reaction* to a sense impression (i.e., pleasant, unpleasant, or neutral): directs primordial events whereby neither normal matter/mis nor a FPDM/pms is the state of mind that predominantly communicates the nature of the relationship. Instead it is consciousness that communicates the nature of the embodied relationship as a continuous stream of sense impressions and mental events. These arise and pass away and the nature of mind manifests in a way that would be categorized as being ‘unnoticed.’ Accordingly it is a FPDM/pms engaged in primordial events (i.e., primordial activity) with the movement of awareness as ‘radiant’ (i.e., generally expressed) and by way of ‘stimulated emission’ (i.e., expressed specifically) that overrides the dualistic movement of its vibrating strings (i.e., open, closed).

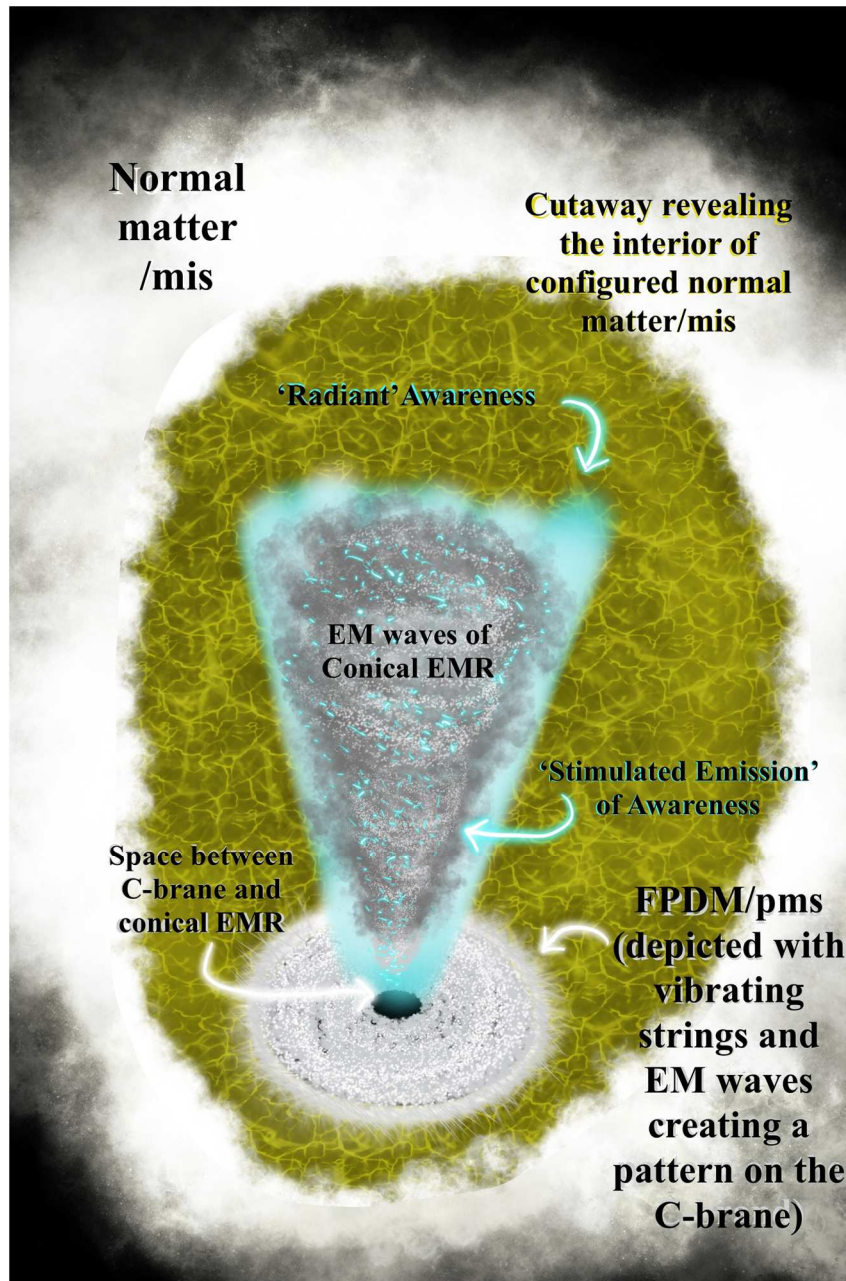


Figure 3

Conical EMR, shape of relationship (see Figure 3)

The vibrational activity of strings (i.e., open, closed) in their excited state transforms the data of normal matter/mis for sense impressions and mental events into electromagnetic radiation (EMR). Accordingly electromagnetic fields are created and transport the data of normal mat-

ter/mis as electromagnetic waves of energy (i.e., EM waves). These EM waves radiate onto the C-brane of a FPDM/pms and by doing so partially block the movement of awareness as a consequence of the relationship. Although gravity in the microcosm is too weak to configure normal matter/mental images that embodies FPDMs/pms, it ‘pushes’ the relationship. Accordingly gravity in the microcosm (in contrast to the macrocosm) is the movement of awareness that manifests as a ‘push force’ (18). Thereby the force of gravity pushes EM waves towards the center of the C-brane. The EM waves that are pushed by a gravitational field bend and configure into conical EMR.

The emergent two-way interplay that flows between a FPDM/pms and normal matter/mis that embodies it continuously generates EM waves. These waves radiate frequently on the surface of the C-brane. Although strings (i.e., open, closed) are located on the same C-brane, those that transform data for mental events (once enlisted) form an outer layer of vibrating strings. Accordingly they generate more waves and at different frequencies than vibrating strings (i.e., open, closed) forming an inner layer that transforms data for sense impressions. This creates a functional pattern on the C-brane as a centralized shape of a sphere and, thus, a spheroidal region that is surrounded by EM waves.

Accordingly, present on the C-brane is a pattern resembling a sphere of revolution which represents the movement of awareness whereby EM waves pushed toward it configure into conical EMR (i.e., the shape of relationship). The base of the conical EMR contains the least amount of EM waves and represents the data of normal matter/mis transformed for sense impressions. As the EMR gets higher it widens due to more EM waves being present and represents the data of normal matter/mis transformed for mental events. The conical EMR acts as a space-filling field present within configured normal matter/mis. The way conical EMR radiates creates a region between the C-brane and the base of the EMR. The EM waves are diffuse material that represent a relationship with potential that is in orbital motion and thus are being pulled by the sphere of revolution as the motion of awareness (i.e., represented by a centralized spheroidal region). However, it has too much angular momentum and thus it momentarily escapes being pulled into the C-brane.

Due to the pattern present on the C-brane, the movement of awareness of a FPDM/pms with primordial consciousness is blocked in some directions by EM waves. However, awareness freely flows from the centralized spheroidal region. Therefore a FPDM/pms engaged in primordial events (i.e., primordial activity) of unconsciousness intelligence expresses awareness generally. Accordingly the movement of awareness is ‘radiant’ while a FPDM/pms methodically scans patterns within EM waves of conical EMR. Alternatively a FPDM/pms amplifies the movement of awareness by way of process, stimulated emission. This allows a FPDM/pms to use *fast mapping* to detect billions of patterns within EM waves while focusing on those which differ (19).

While engaged in spontaneous action, a FPDM/pms will capture ‘atoms’ (i.e., small amounts of data) and reflexively encode them into primordial algorithms for sense impressions. These are melded with FOKs (i.e., pleasant, unpleasant, or neutral). Therefore a ‘moment of subjectivity’ and reaction to a sense impression manifests as an *impulsive reaction* (i.e., attachment or aversion) or is ‘overridden’ due to *reaction with forethought* (i.e., equanimity) or *reflexive reaction* (i.e., unnoticed). Accordingly the relationship between a FPDM/pms and normal matter/mis transforms. This causes a FPDM/pms to reflexively encode ‘atoms’ for primordial algorithms for mental events that are melded with FOKs (i.e., pleasant, unpleasant, or neutral) and thus the nature of the relationship is communicated by way of conscious intelligence (i.e., ‘consciousness’).

A FPDM/pms will then engage in primordial events that correspond with complex warping of the C-brane and the centralized spheroidal region (as part of the pattern on the C-brane). Consequently the gravitational pull placed on the conical EMR (i.e., the shape of relationship) alters and thus the conical EMR is pulled into the C-brane (multi-dimensional space/awareness). The EMR distorts due to the action of dissolving into the C-brane and represents ‘a transferred property’ as fixed energy. This fixed energy propagates and represents awareness in motion as a consequence of the relationship that moves in the C-brane within an electromagnetic field. This transfers to strings (i.e., open, closed) attached to the C-brane and produces a fixed energy of EMR as photons that express a momentarily transformed relationship.

The ‘moment of subjectivity’ that manifested as attachment/aversion, equanimity or neither to a pleasant, unpleasant, or neutral sense impression determines the degree of string conversion. The strings convert in the amount that correlates with the degree of reaction (i.e., more reaction-more strings convert, less reaction-fewer strings convert):

- Where the expression was attachment/aversion and the reaction was impulsive, closed strings convert to open strings.
- Where the expression was equanimity and the reaction with forethought, open strings convert to closed strings.
- Where the reaction was reflexive, no strings convert.

Communicating relationship

The microcosm is a spatial structure containing innumerable unique configurations of normal matter/mis that, while embodying FPDMs/pms, forms a network. This network serves as the mechanism by which normal matter/mis relays data, although there may be limited assuredness as to the direction of information flow throughout this network. The way in which normal matter/mis is configured affects information flow as it travels throughout the network. A

FPDM/pms embodied by normal matter/mis shares information. The strings (i.e., open, closed) of a FPDM/pms vibrating in their excited state receive (by EMR) the data of normal matter/mis generated by active circuitry and transform it via patterns of vibrational activity. Similarly vibrational patterns generated by strings (i.e., open, closed) in their excited state are transmitted (by EMR) to the circuitry of normal matter/mis and transformed into electrical activity. When their communicative and shared relationship gets inserted as data and a set of instructions (i.e., code) transmitted along the network of normal matter/mis, it may influence 'other' embodied relationships. In this way, each embodied relationship that receives the data may serve as the means by which to 'execute it' by way of an expression of conscious intelligence (i.e., 'consciousness'). Accordingly a unique embodied relationship may replicate parts of its 'interplay' by modifying data traveling along the network of normal matter/mis.

The dark energy/pas of the macrocosm serves as the 'orchestrator' of communication between a pair or a group of embodied relationships. Because each FPDM/pms is derived from the same dark energy/pas, fundamentally, they truly cannot be described as having an independently existing relationship separate from 'other' FPDMs/pms (although a FPDM/pms is embodied by normal matter/mis as an individual). Accordingly communication between them represents the sum of infinite interdependent events as embodied relationships. Dark energy as the universe's pas represents existence to be unlike that of embodied FPDMs/pms. This results in a cause and effect relationship distinct in nature between the whole (i.e., the dark energy of the macrocosm) and its parts (i.e., FPDMs of the microcosm). Accordingly dark energy/pas having 'conceived' FPDMs/pms forms an inextricable link between them. Therefore dark energy/pas facilitates communication between FPDMs/pms in a manner by which they act on one another without having any information relayed between them. Due to their being inextricable phenomena, communication between them is naturally simultaneous and such that one FPDM/pms *infers* the presence of the other (20). However each FPDM/pms and normal matter/mis brings distinctive characteristics to their relationship and thus will not have exactly the same properties as those of other embodied relationships.

Animate and inanimate

The relationship between a FPDM/pms and normal matter/mis is represented by way of an emergent property of conscious intelligence ('consciousness') and as a *vehicle of expression* in the form of a unique living being. The living being of conscious intelligence (i.e., 'consciousness') serves as a 'visual' indicator as to the kind of embodied relationship that exists between a FPDM/pms and normal matter/mis.

Correspondingly all 'objects,' including those in the form of living beings with conscious intelligence (i.e., 'consciousness'), represent relationships between the three states of mind (i.e., pure

awareness, pure mental, mental images). However as relates to *animate* as opposed to *inanimate*, these terms denote different types of relationships between the states of mind. Animate ‘objects’ as *living beings* (e.g., invertebrates, mammals, birds, amphibians, reptiles and fish) represent *embodied relationships* between FPDMs/pms and normal matter/mis. These embodied relationships will be configured by way of the movement of vibrating open and closed strings (i.e., movement of awareness) that configure normal matter/mis. Inanimate ‘objects’ represent relationships between the three states but where they are not in an embodied relationship and include those that emerge as *living entities* (i.e., plants).

Embodied relationships and the Big Crunch

Each embodied relationship between a FPDM/pms and normal matter/mis has a unique timeline for when their interaction will end. Accordingly the number of embodied relationships in the microcosm increases or decreases according to the momentary occurrence where normal energy/mis is present but not expressed. When a particular relationship between a FPDM/pms and the normal matter/mis that embodies it ends, an unknown amount of normal matter/mis transforms into its previous form as normal energy/mis, present but not expressed. Due to the abundance of embodied relationships in the microcosm in which non-synchronized interactions begin and end normal energy/mis is in high demand. When normal energy/mis is unavailable, there will be FPDMs/pms that exist in the macrocosm demarcated from dark energy/pas by strings vibrating in their ground state but without a framework of normal matter/mis.

Due to strings converting rather than being destroyed, FPDMs/pms act as the ‘record keeper’ of individual embodied relationships. Accordingly a FPDM/pms will carry with it from one interaction to another a population of available open and closed strings attached to a C-brane. This represents a mechanism by which a continuity in embodied relationships is established and manifested as cause and effect. This includes the manner by which normal matter/mis gets configured. Because of the movement of awareness represented by the vibrations of open and closed strings, there will be transformation that advances expression (by way of continued relationship) or reverses expression (by way of discontinued relationship):

- The more open strings a FPDM/pms has available (due to closed strings converting to open strings), the lower the degree of complexity in the configuration of normal matter/mis is. Accordingly there is less potential for flexibility (to varying degrees) in the relationship and less potential for cognition to emerge as an attribute of the conscious intelligence (‘consciousness’). Therefore the capacity to alter behavior as a result of experience is lower (21). This means the ‘consciousness’ of open strings emerges as the expression that communicates the relationship more so than the ‘consciousness’ of closed strings and is due to previous *impulsive reactions*. Therefore, in most cases (on a momentary basis), normal matter/mis is the

state that predominantly communicates the nature of mind as an expression of this embodied relationship.

- The more closed strings a FPDM/pms has available (due to open strings converting to closed strings), the greater the degree of complexity in the configuration of normal matter/mis is. Accordingly there is more potential for flexibility (to varying degrees) in the relationship and more potential for cognition to emerge as an attribute of the conscious intelligence ('consciousness'). Therefore the capacity to alter behavior as a result of experience is greater (21). This means the 'consciousness' of closed strings emerges as the expression that communicates the relationship more so than the 'consciousness' of open strings and is due to previous *reactions with forethought*. Therefore, in most cases (on a momentary basis), FPDMs/pms is the state that predominantly communicates the nature of mind as an expression of this embodied relationship.

There are string populations of a FPDM/pms that represent the continuity of previous embodied relationships that result in 'maximal' consequence:

- When a FPDM/pms has a population of strings in which only closed strings are available except for one open string (due to open strings converting to closed strings), this may prevent a FPDM/pms from participating in perpetual interactions with normal matter/mis.
- When a FPDM/pms has a population of strings in which only open strings are available except for one closed string (due to closed strings converting to open strings), this may prevent a FPDM/pms from participating in perpetual interactions with normal matter/mis.

Accordingly the strings (i.e., one open and the rest closed, or one closed and the rest open) which demarcated a FPDM/pms from the universe's dark energy/pas may dissolve into a C-brane. This adjusts initial conditions in the macrocosm by a FPDM/pms.

Alternatively this string population may cause interactions with normal energy/mis, when available, to be pulled by the consequence of gravity. Accordingly normal energy/mis (unmanifest) will configure as normal matter/mis (manifest) with the intelligence conscious events. Therefore a FPDM/pms in an embodied relationship with normal matter/mis with continuity from their past (due to the population of open and closed strings of a FPDM/pms) will communicate with 'other' FPDMs/pms and normal matter/mis in embodied relationships. They will do so however, with either a lesser or greater degree of flexibility, which will have consequences as relates to the 'other' structured relationships present in the microcosm.

What seems to be a cause and effect relationship may only be possible if neither the cause nor the effect exists independently and permanently (3). In this way, and as relates to the scenarios

presented, the outcome is uncertain (i.e., not accessible by way of cognition). This is because the outcome is dependent on the movement of pure awareness. Accordingly dark energy is the facilitator of the outcomes, rather than the movement of awareness due to the vibrations of strings (i.e., open and closed).

The Big Bang(s) may represent the start of this cycle which is one of an infinite number of cycles of interactions between FPDMS/pms and normal matter/mis. The cycles may stop, as a consequence of gravity. This represents the movement of dark energy/pas at the macrocosm. Accordingly instead of universal expansion there may be a Big Crunch and thus transformation of the macrocosm which has collapsed into itself. Therefore the macrocosm will be absorbed into isotopic space, whereby a new cycle of mind expressing itself differently may manifest (3).

Conclusion

This theory melds features from different theories with the aim of assisting understanding of mind and the expressions of mind rather than trying to dogmatically prove the ‘correctness’ of any one theory. Nevertheless no theory may ever account for the state of mind pure awareness which exists entirely separate from ‘consciousness.’ Admittedly the state of pure awareness may not be accessible to thought but this may not prevent an individual from visualizing this state as being represented by a particular phenomenon (i.e., dark energy). An individual may associate ‘objects’ (i.e., sense impressions and mental events) with *everyday existence* which may be perceived similarly or dissimilarly by individuals.

Accordingly ‘objects,’ when arranged in a particular manner may construct a viewpoint that allows an individual to pick out a particular feature and emphasize it. The act of doing this, however, may create understanding or confusion as relates to reality (i.e., expressions of mind). Phenomena when ‘cognitively linked’ may formulate a theory and, when made on the basis of limited ‘objects,’ a hypothesis that when perceived similarly by many individuals is termed ‘empirical’ evidence. Accordingly theories, hypotheses or ‘empirical’ evidence may represent a myriad of unique viewpoints. Nevertheless what may be similar between them is their ability to ‘highlight’ a particular aspect(s) as relates to the relationship between the three states of mind.

Although mind may be unfathomable while thinking, the nature of mind may be experienced by the events of ‘consciousness’ as FOKs and an ‘observing ego’ and with perception of a living being and thus represent the relationships between the states of mind (i.e., the pure awareness state [pas]/the pure mental state [pms] along with the pure mental state [pms]/the mental images state [mis]). Accordingly mind may be all there is and all that will be with the potential to express itself differently.

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