

# SANKHYAKARIKA.

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## SUTRA 1.

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### **1. The dynamic substratum:**

DU:KHA- TRAYA -ABHIGHATA -JJNASA  
Stress triple -interaction - investigations

TAD -ABHIGHATAKE HETAU  
Such -interactive-modes exist

DRISHTHEY SA -APARTHA - CHENNA  
Detection such -would have been meaningless - were it not for the

AIKANTHA - AATHYANTHA - ATHO -ABHAVATH  
Synchronised - perpetual - Dynamic -Un-manifest state.

Meaning:

Investigating the triad of interactive stresses shows that such interactive modes of stresses exist but it would not have been detectable, had it not been for the existence of the synchronised - perpetual - dynamic - unmanifest state of existence (of the substratum). >

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## SUTRA 2.

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### **2. The qualities of the substratum.**

DRISHTAVAD ANUSHRAVIK:  
Observation standard method

SA HI AVISHUDHI- KSHAYATI- SHAYAYUKTHA:  
certainly distorted- attenuated- of inferior resolution.

TAD- VIPARITAH: SHREYAN  
Hence- alternative satisfactory

VYAKTA- AVYAKTA- JNA- VIJNANAT  
manifest- unmanifest - static potential kinetic potential

Meaning:

Standard methods of evaluation through detection are affected by distortion, attenuation and inferior resolution to details; but an alternate method that is totally satisfactory, is based on the principle of discriminating the basic and dynamic substratum into its appropriate components of the unmanifest, manifest, the self-potential and kinetic or dynamic potential. >

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**SUTRA 3.**

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**3. The axiomatic three dimensional wave fundamentals of the substratum.**

MULA- PRAKRITHIR -AVIKRITIR-  
Root -oscillatory -coherent & synchronised

MAHAD- ADYAH: PRAKRITY -VIKRITYAH SAPTA  
intense -primary fundamental oscillatory rate -harmonics seven

SHODASA- KAS - -TU VIKARO  
sixteenth- approaching - reference to radiation -

NA PRAKRITIR - NI VIKRITIH PURUSHAH.  
neither basic oscillatory - nor harmonics nuclear core

Meaning:

Fundamental or root resonant oscillatory state is synchronised, coherent and stable; the first interactive oscillatory state is of maximum intensity; then there are seven levels of the harmonic oscillatory interactive stages followed by an expanding radiation above a sixteenth order of the fundamental value; the nuclear core is neither oscillatory nor harmonically interactive. >

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**SUTRA 4.**

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**4. Verification of reality through axiomatic proof.**

DRISHTAM- ANUMANAM- APTHAVACHANAM  
perception- inference- axiomatic principles

CHA SARVA- PRAMANI- SIDHATVAT  
and complete- logic- by Siddhi

TRIVIDHAM PRAMANAM - ISHTAM  
threefold rationale appropriate

PRAMEYA - SIDDHI: PRAMANAD -DHI  
theoretical- Siddhi. : logical container

Meaning:

Siddhi or conclusive holistic proof is arrived at by a process of logical and theoretical analysis of information from observations, inferences and axiomatic principles. When such holistic conclusions are further condensed by using the threefold analytical process with appropriate rationale and theory, it is established as a conclusive axiomatic theorem. >

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**SUTRA 5.**

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**5. Process of verification of detectable phenomenon.**

PRATI- VISHAY - ADHYAVASAYO

Reference -sensory –persistent

DRISHTAM TRIVIDHAM -ANUMANAM- AKYATAM

perception threefold -inference - define

THALINGA -ALINGA -PURVAKAM -

detectable undetectable – source / origin

APTASHRUTIR - APTAVACHANANTHU

axiomatic data axiomatic principle or theory

Meaning:

With reference to persistent continuous sensory perception of phenomenon there are three aspects of factual information with characteristics like (positive) detectable , (negative) undetectable, (neutral) original characteristics, that can be measured, analysed and interpreted to establish an axiomatic theorem or principle.  
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**SUTRA 6.**

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**6. Process Of Holistic Derivation Of Proof = Siddhi= mental experience**

SAMANYA- ATA- ASTU-  
synchronised- moving expansive -

DRISHTAD- ATINDRIYANAM PRASIDHIR-

phenomenon -imperceptible successful

ANUMANAT - TASMAD - API- CHA- SIDHAM

inference hence- also -and- holistic axiomatic proof

PAROKSHAM - APTA - AGAMAT SIDHAM

Experience mentally - axiom -deductive holistic proof

Meaning:

And in the case of phenomenon that is imperceptible, mobile, expansive and hence undetectable, inferential method using holistic, deductive, logical, verification technique to mentally experience phenomenon, is known as Siddhi.>

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**SUTRA 7.**

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**7. The reasons why manifestation may not be detected**

ATHIDURATH SAMIPYAD - INDRIYAGHATAN

Too faraway      too close      - sensory obstruction

MANON -AVASTHANAT

mental      - state

SAUKSHMYAD -VYAVADHANAD- ABHIBHAVAT

Subtleness      - occultation-      - predominance

SAMANABHIIHARA-CHA

camouflaging      -etc.

Meaning:

Extremely far or near distances, mental and sensory inefficiencies, subtle or attenuated conditions, occultation or eclipsing of the object, poor background contrast, camouflaging effect (are the causes of non detection or non measurement of phenomenon). >

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**SUTRA 8.**

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**8. The reason why the fundamental SUBSTRATUM is not detectable.**

SAUKSHMYAT-TAD- ANUPALABDIR- N'ABHAVAT

Subtleness-      hence      -non detection      not-non existence

KARYATAS -TAD- UPALABDHI

reaction-      therefore-      detection

MAHAD- ADI      TACH- CHA - KARYAM.

intense-      source      following- also      actions

PRAKRITI - VIRUPAM - SWARUPAM

oscillations-      harmonics      - fundamental

Meaning:

The non delectability (of the substratum) is due to the extremely attenuated reactions put out and not because it (substratum) does not exist. Only reactions are detectable. For when the reaction of the primary or first displacement takes place then a sequence of oscillations are detected that are either in its original form or harmonics . >

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SUTRA 9.

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**9. Logical reasons why the SUBSTRATUM MUST exist if manifestation EXISTS.**

ASAD- KARANAD- UPADANA-  
Illogical - action- material cause

GRAHANAT SARVA- SAMBHAV-  
-acceptance all- possibility

ABHAVAT SHAKTASYA SHAKYA-  
non existing ability- possible-act  
KARANAT KARANA -BHAVA- CHA SATKARYAM  
Cause - effect existence therefore Law or axiom or rule

Meaning:

It is a logical error to accept that continuous or all possible modes of action (manifestation) are possible without a physical cause; the ability to act in all possible ways must be due to the existence of a cause, therefore it becomes an axiomatic rule. >

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SUTRA 10.

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**10. Detection of manifestation is due to changes, the lack of which makes phenomenon undetectable.**

HETUMAT- ANITYAM- AVYAPI  
Effect temporary non-pervasive

SAKRIYAM -ANEKAM -ASHRITHAM  
active many supportive

LINGAM  
Coherent potential

SA -AVAYAVAM PARATANTRAM VYAKTHAM  
With - mass or body dependant on manifestation

VIPARITAM -AVYAKTAM  
reverse- unmanifest phenomenon

Meaning:

The caused-detectable effect of manifested phenomenon are relatively temporary; confined to limited region; proceed from action to action; resulting in a sequence of actions; and also becomes the cause of initiating further action; with coherent potential characteristics; has the quality of being substantial or with mass; as it is a resultant, so it is a secondary trait; and the unmanifest cannot be detected because of the inability to discern such effects. >

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SUTRA 11.

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**11. Characteristics of the three states of phenomenal interaction. (GUNAS)**

THRI-GUNAM- AVIVEKI VISHAYA  
Triple vectors undetectable phenomenon;

SAMANYAM- ACHETANAM PRASAVA-DHARMI  
synchronised inanimate or static generation -natural law

VYAKTAM THATHA PRADHANAM TAD-  
Manifest onwards primary force and

VIPARITAS- THATHA CHA PUMAN.  
reverse likewise and nuclear region

Meaning:

The inability to discriminate between the triad of stressed states that form the dynamic connection is the cause of not detecting phenomenon in a synchronised, static or unmanifest state. The triplicity of dynamic forces that connect it, is a principle that applies to the first or primary intense state and the succeeding reactive states of manifestation and likewise to the nucleus which however is in the opposite state (non detectable state). >

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SUTRA 12.

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**12. The qualities of the triad of forces that form the connection .**

PREETHY- APREETHY- VISHAD- ATMAKAH:  
Buoyant - calm - despair- -self

PRAKASHA- PRAVRITI- NIYUMARTHA:  
Manifest interface- limit

ANYOANYA- ABHIBHAVA- ASHRAYA- JANANA- MITHUNA  
mutually predominantly interactive creative associative

VRITYASHRAVA- GUNA  
self-resonant quanta- vector

Meaning

Just as the human being undergoes, when under stress, a three stage transfer from a state of buoyant feelings through a calm state to a state of utter despair; the three interactions of the Guna are from a state of free and mobile expansion through a balanced and resonant interface to a state of compact static contraction. As a result the three states are capable of mutually interacting to override or strengthen or weaken ,one or both at the expense of the remaining aspects; be creative or destructive as a whole; associate or join or pair or combine to form groups; and also exist by itself as self supporting resonant or dynamic entity. >

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SUTRA 13.

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**13. Identification and defining of the three forces.**

SATVAM    LAGHU    PRAKASHAKAM  
radiant state    swift    intensely-energetic

ISHTAM-    UPA-    ASHTA-AMBAKAM  
as required    beyond-    eight-orders-radiation-spectrum

CHALAM    CHA    RAJAH  
shuttling    between    the transition force

GURU VARNAKAM EVA TAMAH:  
heavy enveloped    as if    nuclear inertial force

PRADIPAVA -CHA-    ARTHO    VRITHI  
Radiating    is the    motivation    vortex or quanta

Meaning:

Satwa is the force which operates outward at the maximum speed with the required intensity and energy to transmit the force beyond the level of the first octet of forces past the nuclear boundary that is in a fluidic or flexible state. Raja is the force in the transition region of seven oscillatory plus the first in the octet of forces; that shuttles inward or outward to transfer the forces from nuclear boundary to the expansive-radial boundary and vice-versa; Tama is the decelerating force acting inward forming the static nuclear enveloping boundary. Vrithi is the resultant force that is radiated in the form of a self-sustained vortex (particle) created by the permutations and combinations of the previous three levels of forces to transfer force or energy. >

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SUTRA 14.

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**14. Holistic logic can identify both manifest and unmanifest nature.**

AVIVEKYADI :    SIDDHAH    TRAIGUNYAT-  
Non detection etc. by holistic analytical derivation    Tri-vector forces

TAD- VIPARYAY-ABHAVAT  
Such    reverse    non existing

KARANA-ATMAKA-    GUNATVAT    KARYASY-AVYAKTAM    API    SIDDHAM  
motive-    self    vector forces    effect    unmanifest also h. c. process

Meaning:

Through a process of holistic analytical derivation of proof it is proved that non detection or detection is due to the observers inability or ability respectively to detect any or all of the three guna modes of exchange or transfer of forces. And the very process of Siddhi or 'holistic analytical derivation of proof' is itself due to the unmanifest state of the substratum reacting through the action of the gunas or three modes of transfer of forces by it's own inner motivation or potential or cause or interaction to manifest as awareness or consciousness >

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**SUTRA 15.**

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**15. The result of a cyclic force is a natural waveform.**

BHEDANAM PARIMANAT SAMANVYAT SAKTITTAH: PRAVRITESHWA  
changing value of measure sequential bonding cyclic action

KARANA-KARYA -VIBHAGAT - AVIBHAGAT VAISVARUPASYA  
Cause effect expanding contracting natural waveform

Meaning:

Cyclic interaction at the interface is due to a sequentially changing value that is due to acceleration or deceleration of a force . This cyclic action is the cause and effect, by turns, to expand and contract (rarefy and pressurise or decrease and increase density) to produce a waveform that is of a standard form in nature. >

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**SUTRA 16.**

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**16. A first change of phase or fluidic state occurs with rising force.**

KARANAM ASTYA VYAKTAM PRAVARTATEH TRIGUNATAH:  
Causing diffusion manifestation initiating through triple Guna action

SAMUDAYAC CA PARINAMATAH: SALILAVAT  
Increase in effort and changing state like fluid

PRATI -PRATI - GUNA ASHRYA -VISHESHAT  
towards a very very interactively restful distinctive phase

Meaning:

In a manifestation of diminishing potential ,the triple interactive state initiates a restful state of coherence and synchronisation and a transformation occurs ; a distinctive change of state, like that of vapour condensing to liquid, takes place when the inward going force is brought to a very synchronised (= coherent therefore static ) state . >

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**SUTRA 17.**

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**17. the second change of phase creates the solid or nuclear state.**

SAMHATHA - PARA - ARTHATVAT  
Aggregation background motivation for

TRIGUNA- ADI - VIPARYAYAD ADHISTHANAT  
Triple-interaction start reversal of starting location

PURUSHO - ASTI - BHOKTR-BHAVAT KAIVALYA - ARTHAM- PRAVRITTESWA  
nucleus resting coherent state unhindered cause of oscillatory action



Meaning:

Aggregation, superposition or synchronising is the background motivation for initiating the three modes of interaction from the central or core location . The restful and coherent state thus created causes the reversal of the initiating states there by causing the unhindered and continuing oscillatory states. >

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SUTRA 18.

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**18. Logical proof that the nucleus is a conglomerate entity.**

JANANA -MARANA -KARANANAM

Creation - dissolution- activity-

PRATINIYAMAD- AYUGAPAT –PRAVRITTESWA

operating principle not at once- oscillatory action

PURUSHA-BAHUTVAM SIDDHAM TRIGUNYA -VIPARYAYA -CAIVA.

nucleus- plenitude logical proof- triad of forces- interactive- consequence

Meaning:

Since the causative action leading to aggregation and dissolution or creation and destruction are not simultaneous or instantaneous at the nuclear interface, the holistic logical conclusion is that there must be many nuclei or individual core components (purusha) and also because the reversal of interactions of the triad of forces (gunas) produce multiple types of phenomenon ( whereas it should have been singular, otherwise. ) >

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SUTRA 19.

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**19. The complex nuclear state forms the background for manifestation of phenomenon.**

TASMAC CA VIPARYASAT SIDDHAM SAKSITVAMASYA

Therefore and conversely holistic proof passive state

PURUSHASYA

nuclear region

KAIVALYAM MADHYASTAM DRISHTARTVAM AKARTRABHAVAT.

unhindered neutral reference for detection unmanifest state

Meaning:

From previous sutras, the conversely inferential holistic conclusion is that the nuclear state forms the passive background with particulate or inertial mass, which forms a detectable state of reference in a neutral, unhindered and unmanifest static. >

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**SUTRA 20.**

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**20. The state of sustained interaction is a state of balance**

TASMAT-TAT SAMYOGAD -ACETANAM CETANAVAD-IVA LINGAM  
therefore association - static dynamic -as if- characterised

GUNAKARTATVE CA TATHA KART- EVA BHAVATTTYU -UDASINAH  
action of gunas and thus slacken- as if existence -neutralised.

Meaning:

Because of the proximity of the static and dynamic states  
The static state seems dynamic and through the action of the gunas  
The dynamic seems to behave in a neutral mode that maintains a balance.

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**SUTRA 21.**

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**21. Measurement or detection of phenomenon at the fundamental level.**

PURUSHASYA -DARSHAN- ARTHA KAIVALYA -ARTHA  
nuclear state detection potential unhindered potential

TATHA PRADHANASYA  
therefore fundamental manifested state

PANGV-ANDAVAD-UBHAYOR API  
Lame blind interdependance similarly

SAMYOGAS TATH KRITHAH: SARGAH:  
Combination thus proceeds creation

Meaning:

Fundamental measurement of phenomenon references nucleus in an unhindered and synchronised state. Therefore the synchronised nuclear state provides the basic background to detect or measure the first, (primary or fundamental) active (manifested) state as a comparative or relative difference. Manifestation of phenomenon proceeds on the principle of fulfilling the need to maintain a balance like when a blind man and lame man team up to behave normally and effectively. From this combination all manifested proceeds.

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**SUTRA 22.**

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**22. Mathematical derivation of the dynamic selfsimilar state.**

PRAKRITER MAHAM ASTHA ATHO  
Oscillatory force intense expanding continuously active

AHANKAR THASMAAD GANAS CHA SHODASHAKA  
self acting in this way calculated and sixteenth

TASMAD API SHODASHAKA ATH PANCHABHYA  
in this way also sixteenth binds fifth power

PANCHABHOOTHANI  
the 5 levels of manifestation.

Meaning:

By the action of the primary force a self sustaining oscillatory state is established from which a series of measurable or detectable signals are radiated at a value that is at a sixteenth power of the primary value and in a progressive series incremented to the sixteenth level that binds or condenses phenomenon through five levels into five sets of manifested phenomenon.

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SUTRA 23.

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**23. Stress by axiomatic mathematical logic or natural law.**

ADHYAVASAYO BUDDHIR  
Sustained effort potential (motivating force)

DHARMO JNANAM VIRAGA AISVARYAM  
axiomatic law static potential phase-change kinetic power

SATVIKAM ETAD-RUPAM  
expansive thus mode

TAMASAM ASMAD VIPARYASTAM.  
Contractive therefore reverse

Meaning:

Sustained effort or continuing stress is the potential intellectual logical confirmation involves the application of rule or natural law in an expansive mode, backed with knowledge, flexibility to change scales and ratios in the order of powers whereas the opposite contractive, inverted, reducing and fractional effect leads to misconceptions and errors in judgement.

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SUTRA 24.

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**24. Mathematical description of internal field force as a spectrum.**

ABHIMANO AHANKARAS TASMAD DVIVIDHAH PRAVARTATE RAG  
selfpotential selfaction thus twofold way initiate action spectrum

EKADASHAKAS CA GANAS TANMATRAH PANCAKAS CAIVA.  
elevenfold and calculated potential fieldforce set of five

Meaning:

Energy of an interaction is polarised into two aspects of self organised static potential and self- acting dynamic force that initiates the entire spectrum of energy interactions extending to a range of 11 orders whereas the static self potential and dynamic self-action ( or kinetic self-similar force or energy) form a balanced set of two factors which initiate action. In the dynamic self-action mode it expands in sequential steps to a limit of 11 sequential levels. Whereas the contracting static potential state reaches a limit of 5 sequential levels.

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**SUTRA 25.**

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**25. Expansive interaction rises to 11<sup>th</sup>. power**

SATVIKA EKADASHAKAH: PRAVARTATE VAIKRTAD AHANKARATH  
expansive elevenfold initiating rate change self-action

BHUTHAADIS THANMATRA:  
elemental states with mass ; self-sustaining vortex

SA TAMASAS TAIJASAD UBHAYAM.  
with contractive interactive both

Meaning:

The expansive satvik self active state has a set of eleven levels of rate change that creates elemental states with superpositioning modes and self sustaining units of activity or vortex. The compressive tamasic change initiates through interactive combinations of both the raja and satva states.

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**SUTRA 26.**

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**26. Efferent and afferent sensory systems.**

BUDDI- INDRIY- ANI CHAKSUH  
Sensory responses—subtle light

SROTRA -GHRANA - RASANA- SPARSHAN AKHANI  
Sound smell chemical (taste) contact (touch) defined

VAK PANI PADA-  
Oscillatory, interactive exchange transporting

PAYU- PASTHAN  
Expel or radiate regenerate or create

KARMENDRAYANYAHUH  
Action responses defined

Meaning:

Efferent or input sensory responses are light, sound, smell, chemical (taste) and contact (touch) and the afferent output or action responses are defined as oscillatory, exchanging, transporting, expelling and creating.

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**SUTRA 27.**

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**27. Interactions in the sensory systems.**

UBHAYATHMAKAM      ATRA    -MAN

Duality in internal functions    in effect – mind

SANKALPAKAM      INDRIYAM CA    SADHARMAYAT

Autonomous control    senses      also    resembles

GUNAPARINAMA                      VISHESHAM

Interactive exchange of Gunas    spectrum

NANATVAM BAHYA BHEDDASCHA

Variety      external    interactions

Meaning:

Mind or the cerebral system is capable of processing both the efferent or incoming input sensory information and afferent or outgoing action oriented outputs and it can produce a specific output despite the diversity created by the permutations and combinations of the internal aspects of the three gunas with the numerous external incoming signals.

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**SUTRA 28.**

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**28. The five levels of vrithi activities.**

SHABDADISHU      PANCHANAM

From sound onwards    sequence of five

ALOCHANAMATRAMISHYATE VRITTI

Observable measure of action      vortex

VACHAN ADANA    VIHARANOT

Oscillatory interactive    transporting

SARGAHANANDAS CA PANCHANAM

Radiation creation      are    sequence of five .

Meaning:

The five types of sensory input signals are activated by discrete quantum of forces and it results in five categories of output as oscillatory, interactive, transporting, radiating and creative activities.

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**SUTRA 29.**

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**29. Definition of self similar internal activity and radiation**

SVA - LAKSHANYAM      VRIT'TIS  
self - similarity (definition) cyclic-vortex (photon)

TRAYASYA    SA-AISHA                  BHAVATHY- ASAMANYA  
third power    yet moving together    functions                  extra-ordinary

SAMANYA -    KARANA- VRITHI  
synchronously - acting -          cyclic vortex

PRANA -ADHYA                  VA-          YAVAH                  PANCHA.  
energy - fundamental radiation    unit measure    fifth-power.

Meaning:

The cyclic vortex functions on self similar principles upto the third power , is nonsynchronous, and yet interacts internally together in an extraordinary way. But in the synchronous accelerated state at the fifth power it becomes a fundamental unit of energy radiation.

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**SUTRA 30.**

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**30. Definition of a cyclic vortex and a spherical harmonic oscillator.**

YUGAPACH                  CHATHUSHTASHYA THU                  VRITHI:  
Instantaneous cycle          fourth power                  applies to    cyclic-vortex .

KRAMASAS CA TASYA                  NIRDISHTA  
sequential          consequent to which    detection, (specified, ascertained)

DRISHTE          TATHAPI                  ADRISHTE TRAYASYA  
manifested          similarly in the case of    unmanifest          third power

TATPURVIKA          VRITHI  
Source or original    cyclic-vortex

Meaning:

When the oscillatory cycle count in all directions act simultaneously or synchronously and is raised to the 4<sup>th</sup>. Power, a cyclic self-supporting vrithi (photon) is formed. When it acts non-synchronously or sequentially and it becomes detectable and measurable with a degree of certainty. In the initiating state prior to the above. When the oscillatory count reaches the power of three and is synchronised and acts simultaneously in all directions, it is in a self supporting harmonic oscillatory state but is not detectable or observable.

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**SUTRA 31.**

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**31. The cyclic vortex is kept in continuous oscillation only by its internal potential.**

SVAM SVAM PRATI PADYANTE  
self-similar self-organised towards all the way to the end

PARASPAR AKUTA HETURKAM VRITTIM  
mutual interactive exchange selfmotivated impulse cyclic vortex

PURASHARTHA EVA HETUR  
nuclear potential only motivating impulse

NA KENACIT KARYATHE KARANAM.  
no other motivating potential cause

Meaning:

The cyclic vortex or spherical oscillator is kept in continuous interactive exchange up to the very end (limit) only by the nuclear or core potential developed by the mutual exchange of internally motivated and triggered self similar and self organised impulse or force and there is no other external potential cause.

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**SUTRA 32.**

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**32. The static and kinetic potential limits.**

KARANAM TRAYODASHAVIDHAM  
potential - cause thirteenth power

TAD AHARANA DHARANA PRAKASAKARAM  
in which it accelerates superpositioning radiates

KARYA CHA -TASYA DASHADHA  
kinetic-activity consequently is tenth power

AHARYAM DHARYAM PRAKASHYAM  
acceleration superpositioning radiation .

Meaning:

The potential rises to the 13<sup>th</sup>. Power to accelerate superpose and radiate. Consequently the kinetic potential rises to the 10<sup>th</sup>. Power to accelerate, superpose and radiate.

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**SUTRA 33.**

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**33. The internal and external potential limits.**

ANTAH KARANAM TRIVIDHAM

The limit of potential third power

DASHADHA BAHYAM TRAYASYA VISHAYAKHYAM

Tenth power external triad detectable defined

SAMPRATAKALAM BAHYAM

Present sequential time external

TRIKALAM ABHYANTARAM KARANAM.

Third power of time internal bonding

Meaning:

The internal limit of potential is at the third power and the externalising detectable factor defined as existing in present time is upto the 10<sup>th</sup>. Power. The third power factor contributes to internal bonding or it is a limit .

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**SUTRA 34.**

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**34. The potential to act is at the 5<sup>th</sup>.power level.**

BUDDHI INDRIYANI TESHAM PANCHAM  
Self-action or will or motive sensory signals increase to fifth power

VISHESH AVIVESHAYANI  
Specific and nonspecific.

VAGBHAVATHI SHABDAVISHAYA  
Speech relates to sound vibrations

SHESHANI TU PANCHAVISHAYANI  
Remaining concerns all five detectable interactions

Meaning:

The will or internal potential to act increases rate to 5<sup>th</sup>. Power of both the specific and non specific or the observable and the hidden sensory signals. Sound signals relate to speech or oscillatory functions whereas the rest relate to all the five observable interactions



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SUTRA 35.

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**35. The formation of a basic field is determined by the 3<sup>rd</sup>. order damping action.**

SA ANTHA: KARANA BHUDDI :  
At limit bond coherence state

SARVAM VISHAYAM AVAGHAHATE YASMATH  
All sensory signals plunges consequently

TASMATH TRIVIDHAM KARANAM DVARI  
Therefore third power bonding medium

DVARANI SHESHANI.  
User of medium the remaining powers

Meaning:

At the point when all measurable interactions plunge to its limit and form a coherent bond it is a, measure of the effort involved and therefore the third power of this bond forms the base or medium, the remaining powers of interaction use this as medium.

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SUTRA 36.

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**36. Decay of radiated phenomenon.**

YETE PRADIPA KALPAH :  
Spectrum light process

PARASPARA VILAKSHANA GUNAVISHESHA:  
Mutual complex guna specific

KRITSNAM PURUSHASYARTHAM  
totally purusha potential

PRAKASYA BUDDHAU PRAY ACHH ANTI.  
Manifest coherent action controlled clearly end

Meaning:

Spectrum of light transmission process is a complex and mutually interactive guna exchange sequence and it is totally controlled by the purusha potential and it is the only coherent motivating factor clearly till its end.

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**SUTRA 37.**

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**37. Extraction of potential energy from the Purusha domain.**

SARVAM      PRATYUBHOGAM YASMATH  
Comprehensive   extraordinary use   in this way

PURUSHASYA   SADHYATI BHUDDHI  
Purusha-measure   attainable   coherent potential

SAI VA   CA VISHIN ISHTI      PUNA:   PRADHANA  
With exact and precise   trigger input   repeated   primary interactions

PURUSHANTARAM   SUKSHAMAM  
Inside the Purusha   minute

Meaning:

A comprehensive and extraordinary use can be made in the following way. The potential of the purusha can be attained from the minute coherent state hidden inside the purusha by repeated precisely triggered inputs to initiate the primary interactions.

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**SUTRA 38.**

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**38. Classification of activity of Virthi and elements**

TANMATRANI      AVISHESHASTE BHYO  
Self-generated vortex   non specific order

BHUTHANI PANCHA PANCHABHYA  
Element   five   fifth order

YETA      SMRITA VISHESHA :  
spectrum   law   species

SHANTHA      GHORAS   CA MUDDASCA  
Synchronised   Interactive and   Superposed

Meaning:

The self-generated vortex or vritti has a non specific or wide range of activity level while the elements are at five levels upto the fifth power of activity . The spectrum logically covers the classes of activity states defined as synchronised, non synchronised and interactive and superposed and coherent

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**SUTRA 39.**

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**39. Genetic code.**

SUKSHMA MATAPITRAJAH: SAHA PRABHUTAIS-  
Field organic sustained energy source

TRIDHA VISHESHA: SYUH:  
triple species bond

SUKSHMASTESHAM NIYATHA MATAPITRAJA NIVARTANTHE.  
Mobile field constant organic cyclic or periodic

Meaning:

The field sustained by the fundamental source of energy bonds into three organic species. The mobile field is constant and controlled and the organic states of three species are cyclic or periodic.

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**SUTRA 40.**

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**40. Linga state as coherent and superposed oscillations.**

PURVOTH-PANNAM-ASAKTAM NIYATAM  
Source fallen not bound subdued

MAHADADI SUKSHAMA PARIAYANTAM  
forces including the strong the expansive field at the extreme limit

SANSARATI NIRUPA -BHOGAM  
spectrum maximum absorption

BHAVAIR ADHIVASITAM LINGHAM  
kinetic charge characteristics superpositioning coherent mass characteristics

Meaning:

Static mass states are created by maximally absorbing and superpositioning the entire spectrum of vibratory or oscillatory states, from the largest and strongest to the (limit) finest, minutest kinetic charged states.

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SUTRA 41.

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**41. The need for the SUBSTRATUM as supporting framework for manifestation.**

CHITRAM YATHA ASHRAYAM RITHE  
Picture for instance support framework

STHANVADIBHIYO VINA YATHA CHAYA  
post without for instance shadow

TADVAD VINA VISHESHAIR  
so far without specific

NA THISTATHI NIRASHRAYAM LINGHAM  
not as required without resting place synchronised state

Meaning:

Just as it is not possible to present a picture without a supporting base nor cast a shadow without an appropriate post, so also it is impossible to have the synchronised and superpositioned static state without the required supportive base.

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SUTRA 42.

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**42. The synchronised state provides attracting potential to build up mass.**

PURUSHA-ARTHA- HETU -KAM  
nucleus -potential motivating attraction

IDHAM NIMITHA NEIM -ITTHIKA PRASANGENA  
To this target circumferentially incidental-attachment

PRAKRITHAIR VIBHUTH-VAYOGAN.  
oscillatory action strongly resonant

NATAVAD VYATISHTATHE LINGHAM  
dance like potential exchange synchronised mass

Meaning:

The synchronised and coherent state of the nuclear core forms the target potential to attract the oscillatory interactions to synchronise and superposition itself circumferentially, simultaneously, similar to the movements in a dance, which increases and strengthens resonant state of the interactions .

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SUTRA 43.

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**43. Conditions under which the Laws of interaction are certain.**

SAMSIDDHIKAS           CHA BHAVA  
A state of total resonance is the charged state

PRAKRITHIKA           VAIKRTAS           CHA DHARMADHYAH  
Oscillatory self-activity accelerative activity are the start of axiomatic laws

DRSTAH KARAN ASHRAYINAH  
Detection cause resting place

KARYA-SHRAYINASCCHA KALALADHYA.  
Action resting place start of time or cycle count

Meaning:

The source or starting point of the axiomatic laws of resonant action are from the state when the charged interactive state is in a state of perfect resonance and the starting point or start of time-cycle-period count of measurement commences when the action is in a state of relative rest or static state for detection is only possible when the detected component is at a restful state.

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SUTRA 44.

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**44. The mode of natural action based on rules.**

DHARMENA           GAMANAM URDHVAM  
Axiomatic laws leads upward

GAMANAM           ADHASTAD BHAVATHY           ADHARMENA  
but it leads to lower existence actions opposing natural law.

JNANENA           CHA           APAVARGO  
self-potential cause of state of coherence

VIPARYAYAD ISHYATE BHANDAH.  
reverse results in restrictions

Meaning;

Satwic expansive actions are supported by axiomatic laws and leads upwards or towards a free state but actions opposing it results in lowered states that leads to tamasic or compressive states that are restrictive. Inner self potential is the only cause of synchronisation and establishment of coherent state but obstruction or restrictions results in a confined and bonded state

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**SUTRA 45.**

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**45. State of unbalance is the motivating cause of manifestation.**

VAIRYAGATH PRAKRITHILAYAH  
neutral balance absorption of activity

SAMSARO BHAVATHY RAJASAD RAGATH  
universal manifestation of dynamic forms interactive spectrum

AISVARYAD AVIGHATHO VIPARYAYATH TAD VIPARYASAH.  
power acceleration reversal and its opposite

Meaning:

When the rajasic interactive states are equal and balanced accumulation or increase of mass by absorption or superpositioning of active displacements occur. When unbalanced or unequal the increase or decrease in force causes acceleration or deceleration creating the manifest spectrum of universal phenomenon

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**SUTRA 46.**

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**46. Interactions in the synchronised state causes 50 orders of change.**

YESHA PRATHYAYA -SARGO  
Dynamic axiomatically ascertained -spectrum of manifestation

VIPARYAYA -ASHAKTI -  
Interactive unsynchronised

THUSHTI SIDHA- -KYAH  
balanced coherent & synchronised labelled as

GUNAVAISHAMYAVIMARDATH  
Interaction due to unbalanced state of Gunas

THASYACHABHEDASTHU -PANCHASAT  
As a consequence the varieties are fifty

Meaning.

The axiomatically ascertained order of the spectrum of interactive states due to the conditions of unbalance, non synchronisation, balance and coherent synchronisation caused by the interplay of three guna modes of interaction are 50 (order of powers).

---

SUTRA 47.

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**47. Balanced , synchronised and its reversed variation sequence of interactions.**

PANCHA VIPARYAYA -BHEDA BHAVANTYA  
5 orders non-synchronous interactive change synchronous

ASHAKTIS CHA KARANAVALIKALYATH  
synchronous and non synchronised activity

ASHTAVIMSATHIBHEDA  
28 Orders of rate of change

TUSTHIR NAVADHA ASHTADHA SIDDHI  
balanced 9<sup>th</sup>. Order 8<sup>th</sup>. Order coherent & synchronised.

Meaning:

A sequence of 5 orders (power index) of change is created by the three varying states of interaction like non-synchronous, interactive change and synchronous. Weak and unsynchronised states have 28 orders while the balanced phase has 9 orders and the perfectly synchronised state has 8 orders of sequentially variable levels.

---

SUTRA 48.

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**48. Order of compression increase when one, two and three axis synchronise.**

BHEDAS TAMASO ASHTAVIDHO  
Interactive changes compressively of the 8<sup>th</sup>. Order

MOHASYA CHA DASAVIDHO MAHAMOHAH  
And superpositioned state 10<sup>th</sup>. Order deeply nested

TAMISRO ASHTADASHADA TATHA BHAVATHY ANDHATHA AMISHRAH  
Core level 18<sup>th</sup>. Order as also for the state of the interior core

Meaning:

Interactive changes in the compressive tamasic state proceed on the basis of 8 orders of change. Along one axis and increases by the same order when it synchronises with another axis at a deeper level. At the next intermediate level it increases by 10 orders and at the final core level it increases by 18 and by another 18 at deepest core level synchronisation. That is  $8 + 8$ , followed by  $(5+5) = 10$  in each axis and finally  $(8+10) 18 + 18$ . It is a combinatorial process of incremental rates that can synchronise and remain in balance only as even numbered levels.  $18+18=36 = 50-(7+7)$   $14+3=17 = 22-5$   $28-3=25$   $25-3=22$

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**SUTRA 49.**

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**49. The 11 & 17 orders of the weak and balanced groups.**

EKADASHAINDRAYAVADHA SAHA

Eleven –orders of expansion    capable

BHUDDIVADHAIR                      ASHAKTIR    UDDISHTA

Coherent action obstruction    weak            mentioned

SAPTADASAVADHA BHUDDER

Seventeen orders            coherent

VIPARYAYAT            TUSTI        SIDDHI        NAM.

Non synchronisation    balanced    synchronised    phases

Meaning:

Eleven orders of expansive interactions cover the observable range out of the previous 28 orders mentioned before. The balance of 17 orders consists of the balanced and coherent states and the radiant states. With the 5 orders of radiant state it forms 22 orders. The 17 orders form the common potential to both phases.

$TT=10e+17$

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**SUTRA 50.**

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**50. Nuclear balancing parameters**

ADHYAATHMIKA            CHATASHRAH

The internal nuclear field    fourth power

PRAKRITY-UPADANA    KALA-BHAGY-AKYAH

Self action    material cause    time    destiny    named

BAHYA    VISHAYO-PARAMATH PANCA

External    objects    fundamental    fifth power

NAVA    THUSHTAYO: BHI -HITHA

Nine    balanced            both equalised

Meaning:

The interaction inside the nuclear state can be labelled as fourth power, initiating cause of action and responsive self reaction , the time period of the reaction and the destined potential available for the reaction. Externally detectable fundamental activity is categorised as the fifth power and when these two act together synchronously it is the ninth power.  $8.4721+1=9.4721$



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SUTRA 51.

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**51. Colliding interaction cause of vibrations.**

UHAH                      SHABDO                      ADHYAYANAM  
Knowledge gained    cause of vibrations    through research

DU:KHA-VIGHATAS TRAYAH    SUHRTA -PRAPTIH  
Stress    colliding    tripleacting intensive superpositioned

DANAM CHA SIDDHAYO ASHTO                      SIDDEH  
Divergent also synchronised eighth power coherence

PURVONGKUSAS                      TRIVIDHAH.  
previously controlled state    third power

Meaning:

Knowledge gained through research on vibratory or oscillatory stress caused by colliding interactions follow three step action (of compression – shuttling- expansion –guna mode) leading to intensive superpositioned, divergent, or synchronised state, raised to the eighth power coherent mode. The original state prior to the interaction has been established to be in a controlled, compressed, cubic, volumetric state, raised to the third power.  $8-3=5$   $8+3=11$

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SUTRA 52.

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**52. The polarisation of phenomenon into coherent potential (mass) and kinetic potential (charge) modes.**

NA VINA    BHAVAIR                      LINGHAM  
Not without    kinetic-phase                      coherent potential state

NA VINA    LINGENA                      BHAVANIR    -VRITHI  
not without    coherent potential phase    the kinetic state    vortex-(particle)

LINGHAAKHYO                      BHAVAAKHYA                      TASMAD  
Classified as mass    classified as charge    thus

DVIVIDHAH                      PRAVARTATE SARGAH.  
dual mode of polarisation    initiates                      phenomenon

Meaning:

Neither can a characteristic potential source exist without a kinetic phase nor can a potential phase without a kinetic mode. A vorticular particle initiated by a potential source. The potential is classified as mass and the kinetic phase as charge from which dual combination all phenomenon is initiated and maintained by a dual mode of polarisation.

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**SUTRA 53.**

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**53. Guna classification.**

ASHTAM VIKALPAM DAIVAM  
Eightfold variations natural phenomenon

THAIRYAGYONAM PANCHADA BHAVATHI  
Organic five modes

MANUSHYAM TVAIKAVIDHAM  
Human single class

SAMASATHO YAM TRIDHA SARGA.  
succintly restrain threeways manifest phenomeno.

Meaning:

Natural or inorganic or matter oriented phenomenon is the result of 8 orders of variations and the organic or sub human order is fivefold . The human order is from a single variant, these three classes succintly control the complete spectrum of phenomenon.

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**SUTRA 54.**

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**54. The distribution of Guna interactive states.**

URDHVAM SATVA VISHALAS  
Ascending order Satvic predominantly

TAMOVISHALASVA MOOLATAH SARGA  
Tamasic predominantly in the descending order of manifestation

MADHYA RAJOVISHALO BRAHMA ADI. STAMBA  
The central Rajasic predominantly starting from dynamic to static field

PARIYANTHAM  
to the final point.

Meaning:

Ascending order of outward manifestation is predominantly satvic and the descending inward mode of creation is predominantly tamasic and the intermediate range is predominantly rajasic and it is consistantly so right from the starting dynamic creative field to the final coherent static inanimate order of manifestation.

---

SUTRA 55.

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**55. Stress in three modes follows self similar laws in the dynamic SUBSTRATUM.**

TATRA JARA MARANA KRITAM DU:KHAM  
Therefore decay destruction activity stress

PRAPNOTHI CHETANAH PURUSHAH  
attainment dynamic nucleus

LINGASYA VINI VRITHEH.  
Coherent superpositioning minimised vortex

TASMAD DU:KHAM SVABHAVENA  
thus stress self similar

Meaning:

Therefore the process of decay and destruction introduces interactive stresses that create the dynamic state of the the purusha and on its absorption of the vorticular interactive activity by the nuclear core the process of superpositioning continues until the interactions are minimised and a coherent self similar state is established.

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SUTRA 56.

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**56. Manifestation is the result of interactions to maintain the balance between nucleus and boundary.**

ITY ESHA PRAKRITHI KRITHO  
Thus natural oscillatory activity interactions

MAHAD ADI VISHESH BHUTHA PARIANTHA  
Intense force source static matter final

PRATHI PURUSHA VIMOKSHAN ARTHA  
towards nucleus isolating potential

SVARTHA EVA PARARTHA ARAMBHAH  
Self acting potential other reactive potential initiates

Meaning:

In this way interactive oscillatory activity is initiated and perpetuated from the intense fundamental activity at the source to the final coherent superposed massive state at the isolated the nuclear boundary where the self potential balances with the reactive potential from the start .

---

SUTRA 57.

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**57. Attainment of a coherent superposed state initiates oscillatory state.**

VATSA VIVRID-DHWI-NIMITHAM      KSIRASYA  
Calf      growth both apparent cause milk

YATHA PRAVRITTER      AJNASYA  
like      commencement in ignorance

PURUSHA VIMCHANAKSHA      NIMITTAM  
nucleus      goal of freedom or isolation apparent cause

THATHA PRAVRITTI      PRADHANASYA  
of      commencement fundamental oscillatory activity.

Meaning:

The growth of a calf is due to both , milk as its food and its commencement without any apparent cause or specific instruction ; in a similar way the goal of the nuclear state to attain a state of restful balance, isolation or freedom from action-potential, is both the cause of initiating and maintaining a fundamental oscillatory state of continuous activity of the substratum.

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SUTRA 58.

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**58. The Unmanifest state maintains the potential to act.**

AUTHSUKYA NIVARTHY ARTHAM LOKAH  
Zeal      releasing purpose people

YATHA KRIYASU PRAVARTHATHE  
like      action      maintaining activity

PURUSHASYA VIMOKSHARTHAM  
nucleus      purpose of releasing

PRAVARTHATHE TATVAD AVYAKTAM  
Maintaining activity so also unmanifest state

Meaning:

People are motivated into maintaining a state of activity to reduce their zeal for action; similarly the unmanifest state maintains the purusha in an isolated state free of stresses by absorbing the activity of the continuous static and kinetic balancing interactions.

---

**SUTRA 59.**

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**59. Forming of nucleus due to reduction of potential difference.**

RANGASYA            DARSHAYITVA    NIVARTHATHE  
Performing on stage    to an audience    satisfies the desire

NARTHAKI    YATHA    NRITYATH  
dancer            to            dancing

PURUSHASYA    THATHA            ATMANAM  
nuclear            spread            self energy

PRAKASHYA    VI NIVARTATE            PRAKRITHI  
Radiates            reducing potential            oscillatory wave-forms

Meaning:

Just as the external exhibition of a dancer's performance reduces his urge to continue his perform because it satisfies his desires; similarly the outward spreading of internally motivated self energy diminishes its potential to radiate and thereby reaches an interactive state of balance in an oscillatory state.

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**SUTRA 60.**

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**60. Cause of interactive oscillations**

NANA    VIDHAIR    UPAYAIR    UPAKARINY    ANUPAKARINY    PUMSAH  
various    controllable    corective    supportive    non-supportive    nuclear

GUNAVATYA                            AGUNASYA  
through the quality of the Gunas    and its reversal

SATAST                            -ASYA    ARTHAM    APARTHAKAM    CHARATI  
Dynamic non-dynamic    thus    potential    lack of potential    oscillate

Meaning:

Various factors, controllable, corrective, supportive, non supportive nuclear state along with the interactive guna qualities and its opposite coherent superposed states of dynamic and non dynamic-potential and lack of potential maintains the oscillatory activity.

---

SUTRA 61.

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**61. the oscillatory displacement at the point of balance is very attenuated.**

PRAKRITHEH :           SUKUMAR-ATH -ARAM  
Oscillatory displacements   very fine   -move -angular

NA KIMCHID                       -ASTHITHI  
Almost doubtful or uncertain - (its) existence

MEY       MATIR       BHAVATHY YA   DRISHTA - ASMITHA  
interactive information existence   obtain observable   self-potential

PUNARNA DARSHANAM           -UPAITI   PURUSHASYA  
not again   ability to be observable -possess of nuclear region

Meaning:

At the nuclear boundary the oscillatory displacement reduce to a minute angular oscillatory movement such that its very existence seems doubtful. The consequent reduction in the interactive self potential does not ever allow it to radiate detectable information on the state of interaction of the nuclear region.

---

SUTRA 62.

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**62. interactions are cause of manifestation as a holographic phenomenon.**

TASMAN   NABADHYATE NAPI    MUCHYATHE  
Therefore   not bound       nor even   released

NAPI       SAMSRATHI KASCHIT'  
nor even   transmigrated   neither

SAMSRATHI   BADYATHE MUCHYATHE   CHA  
Transmigrated bound       released       only

NANASHRAYA   PRAKRITHI  
never resting   intense oscillations

Meaning:

Therefore nothing is bound, released or translocated. Only the oscillatory wave forms of interactions is bound or superposed by synchronisation, released by desynchronisation and transferred by transmigration due to unequal displacements and this dynamic state continues endlessly.

---

**SUTRA 63.**

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**63. interaction.**

RUPAIH SAPTABHIR EVA BADNATY ATMANAM ATMANA  
Forms seventh level up to superposes self potential by self potential

PRAKRITHI SAIVA CHA PURUSHARTHAM  
Oscillatory waveforms equal to also nuclear potential

PRATHY VIMOCCHAYATYA EKA RUPENA .  
towards process of release by one form.

Meaning:

The oscillatory waveforms superposition itself by its own potential to form the nuclear density by compressing it's waveforms to the seventh power when it becomes equal to the static nuclear potential and when it expands it releases all as one waveform at the same time.

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**SUTRA 64.**

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**64. the cause of a specific self-potential as a ground state.**

EVAM TATHVA ABHYASAN- NASTHI  
Hence fundamental research non-existence

NA MEY NAHA - MITHYA -APARISHESHAM  
Not interactive confinement – measure exact

AVIPARYAYAD VISHUDHAM  
unchanged pure

KEVALAM UTH-PADHYATHE JNA- NAMA  
Absolute and - specific self-potential well or sink

Meaning:

Hence fundamental research indicates that non availability of self-potential is the cause of the existence of a potential sink (ground state) and not due to any precise measure of interactive control that a pure changeless ground state exists (in the nuclear core of the components of the substratum.)

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**SUTRA 65.**

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**65. the state of balance when the nuclear boundary is in balance.**

TENA            NIVRITTA    PRASAVAAM    ARTHA- VASHATH  
Consequently   neutral            current            potential    insignificant

SAPTA    RUPA    VINI    VRITTAM  
seven    forms    reduced oscillatory activity

PRAKRITHIM            PASYATI            PURUSHAH  
Oscillatory waveforms    reduced activity    nucleus

PREKSHAKAVAD    AVASTHITH            SVASTHAH.  
background            location            firm .

Meaning:

When the oscillatory interactions are minimised because of the reduction in activity between the boundary and nuclear core, the interactive current becomes neutral and the activities at the seven radial levels becomes insignificant, the purusha attains a dense superposed background state.

---

**SUTRA 66.**

---

**66. state of balance by eliminating the potential to act.**

DRISHTA    MAYET            UPEKSHAK    EKAU  
observation    consisting of    neutral            one

DRISHTA    HA            MITH            UPARAMITHY    ANYA  
observation    movement    proof            ceases            other

SATHI            SAMYOGAH    API    THAYO    PRAYOJANAM    NASTHI.  
existence            conjunction    even    though    benefit            non existence

SARGASYA  
manifestation

Meaning:

Observing the neutral state of one gives the proof that the observable movement of the other has ceased and even though both are together no interactive manifestation exists.



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**SUTRA 67.**

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**67. conversion of kinetic force into static potential as inertia or mass**

SAMYAKJNANA ADHIGAMA DHARMADINAM AKARANA PRAPTAU  
Synchronously acquire axiomatic principles self motivated process of

THISHTATHI SANSKARA VASHA  
required potential momentum synchronous superpositioning

CHAKRABRAMHAVAD DHRIHAH SHARIRAH  
flywheel dense body

Meaning:

The basic principle of acquiring a mass is by synchronous super-positioning of oscillatory interactions on components into a coherent and super symmetric state that is relatively static by allowing the spin angular momentum to be converted to a dense, potential state by exchange or accumulation through a self similar proportion or ratio.

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**SUTRA 68.**

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**68. the final synchronised, coherent , dynamic state of isolated nucleus.**

PRAPTEY SHARIRA BHEDEY CHARITHARTH -ATHVAT  
Acquiring mass through change by attaining synchronous balance

PRADHANA VINI VRITTAU  
Primary activity boundary diminishing interactive cyclic vortex

AIKANTIKAM AATHYANTIKAM UBHAYAM KAIVALYAM APNOTI  
synchronised and coherent perpetual both unhindered accomplished

Meaning.

The process of acquiring mass is given effect by superpositioning the interactive vortex like waveforms by changing it into a gradually diminishing cyclic interaction that reaches a synchronised and balanced state within the first or primary activity boundary. The unhindered components of the substratum in the nuclear or central region within the primary boundary act, and behave in a synchronised state of relative freedom because of both of these factors - quality of coherence & synchrony and quality of perpetual dynamism – therefore isolation or freedom to exist unhindered -- is ensured or accomplished.

Comparing Sutra 1.

Investigating the possibility of eliminating the triad of stresses shows that methods exist but the results from such methods would not have been successful had it not been for the existence of the absolute - eternal - dynamic – un-manifest state of existence of the substratum.

Explanation:

Referring to the first Sutra, the logic of the conditional statement in it is proved:

The final proof of the entire spectrum of manifestation after sequentially analysing the logical factors is given in this Sutra. The opening Sutra itself follows the principle of looping back to create a circular rationale by choosing a phraseology that elliptically negates itself. The triad of stresses is a reference to the GUNA interactive states of TAMA, RAJA and SATWA. This Sutra explains how the Satwic nature of the vortex like interaction of the un-synchronised waveforms outside the primary boundary or Pradhana state, drift towards the nuclear centre because it is in a relative state of rest due to the coherent and synchronised condition of the PURUSHA location. The isolation of the nuclear core has an important significance for the dynamic state of the nucleus is possible only if there is a perpetual harmonic oscillation. Hence the nuclear core is in a perpetual harmonic oscillatory state that decays in infinite time or the vibratory state continues eternally.

The Raja region closer to the Satwa interface has a larger oscillatory displacement amplitude but at the other end near the PURUSHA interface the oscillations combine or superpose together and act simultaneously as a coherent set of synchronised vibrations with a diminished amplitude. As the oscillatory ensemble drift towards the centre, the super-positioning quality increases the inertia or mass and at a particular point the superpositioning density reaches a maximum and all detectable oscillatory movements synchronise and act together in a coherent breathing mode or a whole spherical surface vibrates as a unit. Therefore the innermost boundary is isolated or screened by the outer spherically oscillating surface. The inner, static, stationery, passive, dense with maximum number of oscillations simultaneously occupying this location at the nuclear PURUSHA core acts as potential sink but because of the screening spherical boundary it can never become active enough to lose its' attracting potential or sink status. The screening spherical surface in the breathing mode is in an interactive Raja state that carries out the change from a sequential oscillatory state to a parallel or simultaneous super posed state. Since this conversion takes place over a rate changing factor of 2, there are  $(8-1) = 7$  intermediate levels of change as explained in Sutra 3 , those describing the Guna states and Sutras 63 & 65. The most important underlying principle is that all the descriptions pertain ONLY to vibrations taking place on or in the undetectable components of the SUBSTRATUM. The entire theory is based on analysing the eternally dynamic holographic state of the SUBSTRATUM

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**SUTRA 69.**

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**69. the knowledge of the nuclear potential is codified in this work**

PURUSHA-ARTHA- JNANAM      IDAM  
Nuclear    potential    theory            in this work

GUHYAM    PARAMARSHINA              SAMAKHYATAM  
Secret        by the greatest Maharishi    encoded or framed

STHITHI-YUTHPATTI-PRALAYAS  
Origin    growth and    termination

CHINTYANTE                      YATRA      BHUTHANAM.  
Intellectual ascertainment    of existing    reality

Meaning:

The knowledge of the nuclear potential is encoded in this work by the great maharishi where-in the method of intellectually ascertaining the process of manifestation of phenomenon from its origin, through its growth and till its dissolution are explained.

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**SUTRA 70.**

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**70. the hierarchy of information transmission**

ETAT PAVITRAM AGRAYAM      MUNIR  
This    pure                      highest doctrine    the Sage

ASURAYE ANUKAMPAYA      PRADADAU  
To Asuri    with understanding    handed down

ASURIR    API PANCASIKHAYA  
From Asuri    to Panchasikha

TENA SA      BAHUDHA KRTAM    TANTRAM  
By whom it was extensively    propagated    doctrine

Meaning:

This pure and highest doctrine the sage gave to Asuri who in turn handed down to Panchasikha by whom it was extensively propagated as the perfect set of principles explaining the mode of action in reality.

**THE END.**