VEDIC MATHEMATICS

&

MODERN MATHEMATICS

SATHAPATYA MEASURING ROD
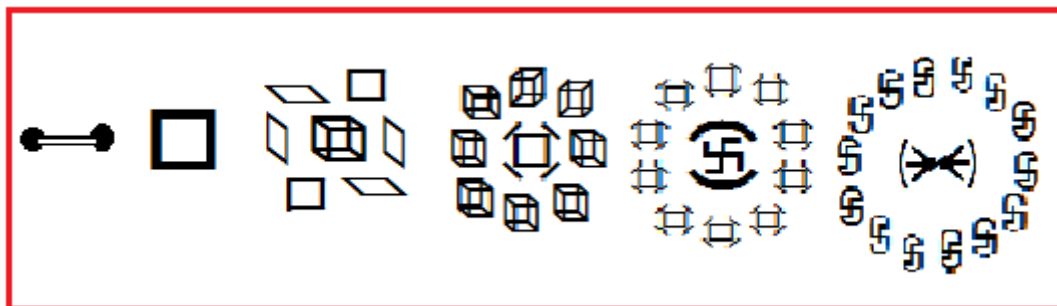
(HYPER CUBES 1 TO 6)

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Third WEEK CHASE ASPECT
(3-space content)
(5-11-2015 to 12-11-2015)
Third Week Day 02

Sathapatya	Cube (⊞) as hyper cube-3
Srimad Bhagwad Geeta	Mathematical format for chase of enlightenment values
Devnagri Alphabet	Beginning and end at the same ment
Shiv Sahastranam Stotram	Reach at 5-space domain in terms of manifestation layers with folds as well being manifestation layers

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I
Sathapatya
Cube (⊞) as hyper cube-3

1. Have a fresh visit to the set up of cube.
2. It would prominently come to focus that this set up has 8 corner points, 12 edges, 6 surfaces and 1 volume.
3. This set up, as such is of 6 + 12 + 8 + 1 = 27 components.
4. TCV (घनः) =27
5. There are 27 *nakshtras*

6. There are 26 meters / chandas.
7. TCV (देवता) = 26
8. TCV (सूर्य:) = 26
9. TCV (सूर्य प्रकाश) = 26
10. TCV (प्रकाश:) = 26
11. One may have a pause here and take note that the volume (3-Space) content is enveloped within a set up of 26 components
12. It would further be relevant to note that 26 = 5 + 6 + 7 + 8 which is parallel to quadruple artifices (5, 6, 7, 8) which is further parallel to four fold manifestation layer (5, 6, 7, 8) of hyper cube-7
13. Still further, it also would be relevant to take note that 3-Space plays the role of dimension of 5-space.
14. With it 3-Space plays the role of dimension of dimension of 7-Space.
15. Atharavved Samhita enlightens at the outset in its first mantra as first part of first mantra as that Trishapta (3 and 7) does pilgrimage of (विश्व) world
16. With it the first Sathapatya concept comes to be 'Trishapta.
17. Amongst others 'Trishapta' brings to focus following features (i) 3 and 7.
18. 3-Space has seven geometries range.
19. Hyper cubes 3 is of seven versions.
20. One shall revisit the set up of cube.
21. This set up has spatial boundary of six components therefore with the presence or absence of surface plates, cube has seven versions, namely (i) cube with six surface plates (ii) cube with five surface plates (iii) cube with four surface plates (iv) cube with three surface plates (v) cube with two surface plates (vi) cube with one surface plate
22. One shall revisit the set up of cube and approach it in terms of a three dimensional frame with origin super imposed upon the center of the cube.

23. The cut of cube into 8 sub cubes would be parallel to the cut of 3-Space into 8 octants.
24. The cut of cube into 8 sub cubes and further cut of sub cube as 8 sub sub cubes shall be leading us to a set up of 64 sub sub cubes and 9 three dimensional frames and center of the cube and at centers of sub cubes.
25. One may have a pause here and take note that Rigved Samhita organizes itself as 8 austaks an 64 chapters.
26. One shall further visit the set up of a cube.
27. Eight corner points of cube permit coordination in terms of quadruple internal diagonals through the center of the cube
28. Each corner of the cube is embedded with a three dimensional frame of half dimensions.
29. Three dimensional frame together with the internal diagonal through the corner point, as such makes out a set up which deserves to be chased.
30. There being eight such set ups and these deserve to be chased individually as well as simultaneously.
31. It would be a blissful exercise to visit and revisit the set up of the cube and to reach at different features of the set up.
32. Vedic Systems approach cube as hyper cube-3.
33. Hyper cube-3 is a set up of manifestation layer of four folds
34. Four folds set up of manifestation layer of hyper cube-3 is the set up of (1, 2, 3 and 4) space content playing the role of dimension, boundary, domain and origin folds
35. It would be a blissful exercise to chase cube as hyper cube-3 accepting 1-space content in the role of a dimension fold.
36. 1-Space as dimensional order makes cube as a linear order set up.

37. 2-Space content manifesting as spatial boundary as such makes hyper cube-3 being of spatial geometric envelope.

38. 3-Space content manifests domain fold and same expresses as volume component of the set up of cube .

39. Spatial order 4-space plays the role of origin of hyper cube-3

40. One may have a pause here and take note that while 3-Space domain is of linear order, its origin (fold) is of a spatial order

41. One may further have a pause here and take note that the with super imposition of the origin of three dimensional frame at center of the cube, it as such seals the origin and remaining three folds (dimension, boundary and domain) together with dimensional frame makes it a packed 3-Space domain.

42. Our 3-Space Mathematics, Science & technology as such is the Mathematics, Science & technology of this packed domain (cube with sealed origin)

43. One may have a pause here and take note that though center of the cube is of a dual status, as a point of domain and as a seat of 4-Space but with sealed origin, it is stripped off of its dual status and the same becomes like any other point of the cube.

44. Moreover it also would be relevant to take note that with origin being not sealed, it leads to transcendence and super imposition of spatial order flow from origin upon the linear order of domain.

45. With it, every point of domain / cube becomes of dual status and gets potentialities to play the role of origin.

46. It is because of this feature that every cube permits split into 8 sub cubes and further every sub cube permits split into 8 sub sub cubes.

47. Further, it is because of this feature that we have the set up of a cube within a cube.

48. Still further it is because of the above feature that the centers of eight sub cubes has corners of inner cube make it the ninth sub cube.

49. One shall sit comfortably and glimpse these features of the set up of the cube.

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Organization format of Srimad Bhagwad Geeta

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Srimad Bhagwad Geeta
Mathematical format for chase of enlightenment values

1. *Srimad Bhagwad Geeta is the Divine song.*
2. *Srimad Bhagwad Geeta is the Divine dialogue about the enlightenment.*
3. *The organization format of Srimad Bhagwad Geeta is of mathematical features.*
4. *This organization format of Srimad Bhagwad Geeta is the mathematical format for chase of enlightenment values of Existence Phenomenon within human frame*
5. *This chase of Existence Phenomenon within Human Frame is parallel to the chase of Existence Phenomenon of our solar universe.*
6. *The parallel features of human frame and of solar universe accept hyper cube-6 format.*
7. *Mathematical format of organization and knowledge of Srimad Bhagwad Geeta is of 18 different aspects.*
8. *Each of the 18 aspects of enlightenment are designated as 18 aspects of the Discipline of Yoga.*
9. *Infact each aspect of the Discipline of Yoga is complete Discipline in itself.*
10. *As such these 18 different aspect, as 18 distinct Disciplines of Yoga deserve to be chased sequentially as per the text arrangement of Srimad Bhagwad Geeta itself*
11. *These 18 Disciplines of yoga are to be approached as these have been designated in the Pushpikas (colophon) at the end of each chapter.*
12. *Let us revisit these designations:*
    १. अर्जुनविषाद योगः
    २. सांख्यायोगः
    ३. कर्मयोगः
    ४. ज्ञानकर्मसंन्यासयोगः
    ५. कर्मसन्न्यासयोगः
    ६. ध्यानयोगः
    ७. ज्ञानविज्ञानयोगः
    ८. तारकब्रह्मयोगः
    ९. राजविद्याराजगुह्ययोगः
    १०. विभूति-योगः
    ११.विश्वरूपदर्शनं
    १२. भक्तियोगः
    १३. क्षेत्रक्षेत्रज्ञयोगः
    १४. गुणत्रयविभागयोगः
    १५. पुरूषोत्तमयोगः
    १६. दैवासुरसंपद्विभागयोगः
    १७. श्रद्धात्रयविभागयोगः
    १८. मोक्षसंन्यासयोगः
13. *The first aspect of the Discipline of Yoga / (Arjun Vishad Yog) focuses upon the role of*

body and inter bodily-relationship of different human beings.

14. Let us revisit and be face to face with our intuitive idea about the importance of the role of body in the inter-relationship of individuals in reference to the universal truth of the Reality of Existence Phenomenon of human beings.

15. One shall visit and revisit one's intuitive comprehension of the importance of the role of body.

16. In the light of this institutive view of the importance of the role of body in inter-relationship of individuals in reference to the universal truth of reality of our Existence Phenomenon, one shall read and re-read chapter – 1 of Srimad Bhagwad Geeta.

17. One shall revisit, reevaluate and re-appreciate the logic of Arjuna.

18. Once one is face to face with logic of Arjuna, one shall be realizing the illusion and delusion (Vishad) of Arjuna.

19. With this comprehension and appreciation, one shall be preparing oneself for transition and transformation from the chase format of chapter 1 of Srimad Bhagwad Geeta to the chase format of chapter – 2 of Srimad Bhagwad Geeta.

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III
Format, Values and Features of DEVNAGRI ALPHABET

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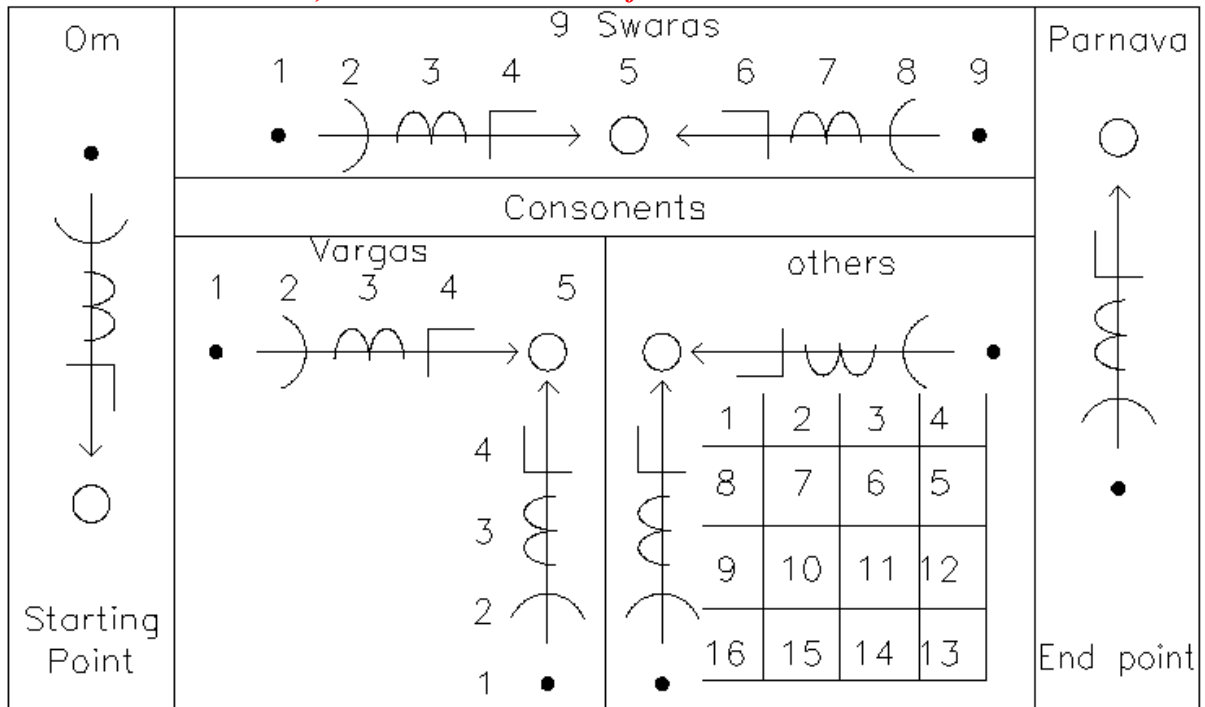
Devnagri Alphabet
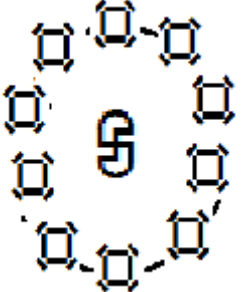## Beginning and end at the same ment

1. Vedic Systems accept beginning and end at the same ment.
2. This feature enlightens us about the format and features as well as values and virtues of Devnagri alphabet.

3. One way to approach in terms of this feature would be to chase formulations 'कारः' and 'कारकः'.
4. Each letter except 'रेफ' of Devnagri alphabet is of format, features 'कारः'
5. Further the reach of each letter deserves to be chased as of the format 'कारकः'.
6. To properly appreciate the organization format of Devnagri alphabet and of its individual letters, it would be appropriate that the formats and features of individual letters be chased first in the context of the overall format, features of the Devnagri alphabet.
7. It is only in terms of the appreciation of chase range 'क ब्रह्मा, क शिव', it may be possible to comprehend and appreciate individual letters formats features.
8. This chase will take us from the format of hyper cube-4 to format of hyper cube-5.
9. It is in terms of this chase the transition from spatial order 4-space to the solid order 5-space may be comprehended and appreciated.
10. The need is to comprehend and appreciate the format features of individual letters on first principles.
11. To enter Vedic Systems domain, one is to approach individual letters formats on first principles.
12. It is here where, one is to comprehend the mathematical format of 'Triloki and Trimurti'.
13. This shall be taking us to the format of 3-Space, 4-Space, 5-Space and 6-Space together manifesting a mathematical format of features of hyper cube-5 with 6-space playing the role of origin.
14. It is the flow path of hyper order from 6-Space origin into the solid order domain which makes Devnagri alphabet as the domain of Devas / gods.
15. One shall sit comfortably and permit the transcending mind to glimpse these format and features of Devnagri alphabets.
16. Further one shall be face to face with format and features of individual letters of Devnagri alphabets.

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IV
SHIV SAHASTRANAM STOTRAM
(One thousand transcendental formulations)

	5 x 5 format
	1 2 3 4 5 2 3 4 5 6 3 4 5 6 7 4 5 6 7 8 5 6 7 8 9

Reach at 5-space domain in terms of manifestation layers with folds as well being manifestation layers

1. *4-Space provides four fold manifestation format.*
2. *5-Space provides re-manifestation for the manifestation layers themselves.*
3. *Four fold manifestation layers are the set ups of four consecutive spaces contents manifesting together as four consecutive folds of a manifestation layer.*
4. *Illustratively (3, 4, 5, 6) is the manifestation layer of hyper cube-5.*
5. *Hyper cube-3, 4, 5, 6 manifests HH-5 (a re-manifested manifestation layers with its folds themselves being the manifestation layers.*
6. *HH-5, as such permits expression along 4 x 4 format as under :*

        3   4   5   6
        4   5   6   7
        5   6   7   8
        6   7   8   9

7. *In this background we can revisit and appreciate the features of the following tabulation which was reached earlier:*

Sn.	A	V	HC	S
1	7	2 x 3 + 1	HC-3	S-3
2	9	3 x 3	HC-2	S-2
3	11	2 x 5 +1	HC-3	S-3
4	13	2 x 5 + 3	HC-3	S-3
5	17	2 x 7 + 3	HC-3	S-3
6	19	2 x 9 + 1	HC-3	S-3
7	21	2 x 10+1	HC-3	S-3
8	23	2 x 9+ 5	HC-3	S-3
9	27	2 x 3 x 4 + 3	HC-4	S-4
10	29	2 x 3 x 4 + 5	HC-3	S-3
11	31	2 x 3 x 5 + 1	HC-3	S-3
12	33,	2 x 3 x 5 + 3	HC-3	S-3
13	37,	2 x 3 x 5 + 7	HC-3	S-3
14	39,	2 x 3 x 5 + 9	HC-3	S-3
15	41,	2 x 3 x 6 + 7	HC-3	S-3
16	43,	2 x 3 x 7 + 1	HC-3	S-3
17	47,	2 x 3 x 7 + 5	HC-3	S-3
18	49,	7 x 7	HC-2	S-2
19	51,	7 x 7 + 2	HC-3	S-3
20	53,	7 x 7 + 4	HC-3	S-3
21	57,	7 x 4 x 2+1	HC-4	S-4
22	59,	7 x 4 x 2+3	HC-4	S-4
23	61,	7 x 4 x 2+5	HC-4	S-4
24	63,	7 x 4 x 2+7	HC-4	S-4
25	67,	7 x 4 x 2+11	HC-4	S-4
26	69,	7 x 4 x 2+13	HC-4	S-4
27	71,	7 x 10 + 1	HC-3	S-3
28	73,	7 x 10 + 3	HC-3	S-3
29	77,	7 x 10 + 7	HC-3	S-3
30	79,	7 x 10 + 9	HC-3	S-3
31	81,	9 x 9	HC-2	S-2

32	83,	9 x 9 + 2	HC-3	S-3
33	87,	9 x 9 x 6	HC-3	S-3
34	89,	9 x 9 + 8	HC-3	S-3
35	91	9 x 9+ 10	HC-3	S-3

8. *Let us have a revisit at the above tabulation and it will come to focus that the emerging chain is (HC-3, 4, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 18, 19, 20, 21, 23, 24, 25, 26, 28, 29, 30, 31, 33, 34, 35, 36, 38, 39, 40, 41, 43, 44, 45)*

9. *This further brings to focus eight re-manifested layers, as under :-*
   (i)   HC-3   HC-4   HC-5   HC-6
   (ii) HC-8   HC-9   HC-10   HC-11
   (iii) HC-13   HC-14   HC-15   HC-16
   (iv) HC-18   HC-19   HC-20   HC-21
   (v)   HC-23   HC-24   HC-25   HC-26
   (vi) HC-28   HC-29   HC-30   HC-31
   (vii) HC-33   HC-34   HC-35   HC-36
   (viii)HC-38   HC-39   HC-40   HC-41

10. *First manifestation layer (HC-3   HC-4   HC-5   HC-6) is of 4 x 4 format expression values*

3	4	5	6
4	5	6	7
5	6	7	8
6	7	8	9

11. *Second manifestation layer (HC-8 HC-9 HC-10   HC-11) is of 4 x 4 format expression values*

8	9	10	11
9	10	11	12
10	11	12	13
11	12	13	14

12. *Third manifestation layer (HC-13 HC-14 HC-15   HC-16) is of 4 x 4 format expression values*

13	14	15	16
14	15	16	17
15	16	17	18
16	17	18	19

13. *Fourth manifestation layer (HC-18 HC-19 HC-20 HC-21) is of 4 x 4 format expression values*

18	19	20	21
19	20	21	22
20	21	22	23
21	22	23	24

14. *Fifth manifestation layer (HC-23   HC-24 HC-25   HC-26) is of 4 x 4 format expression values*

23	24	25	26
24	25	26	27
25	26	27	28
26	27	28	29

15. *Sixth manifestation layer (HC-28   HC-29 HC-30   HC-31) is of 4 x 4 format expression values*

28	29	30	31
29	30	31	32
30	31	32	33
31	32	33	34

16. *Seventh manifestation layer (HC-33 HC-34   HC-35   HC-36) is of 4 x 4 format expression values*

33	34	35	36
34	35	36	37
35	36	37	38
36	37	38	39

17. *Eighth manifestation layer (HC-38 HC-39 HC-40 HC-41) is of 4 x 4 format expression values*

38	39	40	41
39	40	41	42
40	41	42	43
41	42	43	44

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