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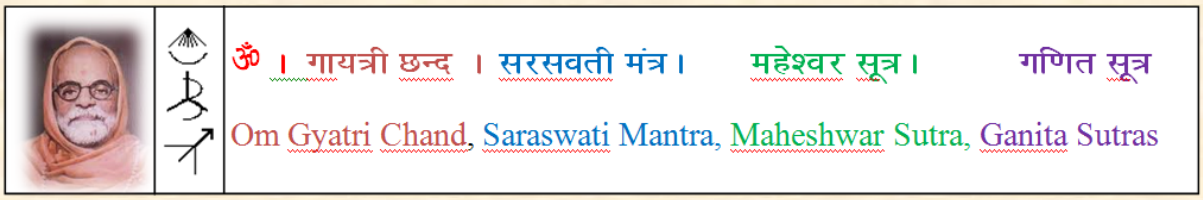

Vedic Mathematics,

(Sunlight format Mathematics)

Discipline of dimensional Synthesis

Mathematics Course

2

Chase Features formatting steps

1. Chase features formatting steps are to be arranged along Sathapatya measuring rod.
2. Theme here is that each space has its own
   (i) content (ii) dimensional frame (iii) body (iv) measuring rod.
3. Working direction is of the features:
   (i) space as domain fold
   (ii) It is to be approached along its measuring rod
   (iii) There is domain within a domain of same order, as well as of transcendence features from origin of the domain fold.
   (iv) Each point of domain is a structured point of the order and features of space itself, and the same sequentially unfolds in progressive steps during transcendence which is of pair of opposite direction format, and as such while in reverse orientation, the same packs for its back reach to domain, and even a step ahead as of other roles of the space content, as boundary fold, as well as dimensional fold, and still ahead as dimension of dimensional.
4. The chase features settlement path is along the Sathapatya measuring rod.

5. Sathapatya measuring rod is the organization path of Vedic Systems.
6. Vedic systems simultaneously handle pure and applied values of Vedas.
7. Such handling of pure and applied values of Vedas as Vedic Systems, is the value of the Discipline of Vedic mathematics, Science & Technology
8. One of the aspect of the Discipline of Vedic mathematics, Science & Technology, is the dimensional synthesis Mathematics.
9. Dimensional synthesis Mathematics aspect of the Discipline of Vedic mathematics, Science & Technology is the subject matter of the present course.
10. Toady we are at first step it is the step of formatting chase features of dimensional synthesis Mathematics along Sathapatya measuring rod format.
11. Sathapatya measuring rod is a synthetic set up of hyper cubes.
12. Sathapatya measuring rod is a sequentially unfolding set up.
13. It is the set up of 'domain' within dimensional frame.
14. Measure of the measuring rod is the domain of the dimension
15. Illustratively in the context of 3-space, its measuring rod would be meant for 3-space as domain and 1-space as dimension
16. In the context of solar universe, 6-space is the domain and 4-space is the dimension, Vedic Systems chase focus is of our solar universe which means a chase along 6-space format
17. This format is of 6-space as domain fold and 4-space as dimension fold.
18. Scriptures describe this as that Lord Vishnu is the presiding deity of this measuring rod and Lord Brahma is the presiding deity of the measure of this measuring rod.
19. However in general, in case the measuring rod is meant for n-space, then its measure would be parallel to its dimensional space with n-2 space in the role of dimension.
20. With it, the measuring rod of 6-space becomes the sequential synthetic set up of hyper cubes 1 to 6.
21. This gets extended as a set up of hyper cube 0 to hyper cube 7.
22. The focus here, as such comes to be that while n-space is in the role of domain fold, then (n-2) space plays the role of dimension of n-space
23. A step ahead n-2 space as domain fold leads to n-4 space as its dimension.
24. This as such makes that n-space has (n-2) space as its dimension and (n-4) space as its dimension of dimension.
25. Here in the context of n = 1, we reach at 1-space as domain fold, (-1) space has dimension fold (-3) space has dimension of dimension of 1-space, therefore, a pair of points of 1-space has domain fold, would get connected by a line (interval) along its both orientations.
26. It is this feature of coordination of a pair of points by a line, in terms of its both orientations, individually, as well as simultaneously which deserve to be chased.

27. This coordination arrangement set up / organization can be expressed as triple numbers (0, 1, 0), (0, -1, 0).
28. Both these coordination arrangement, as integrated set up shall be a set of triple absolute value.
    [(0), (+1 / -1), (0)].
29. It is this features which deserve to be comprehended well, it is this feature which can be expressed as 'maximum, minimum' values coverage system.
30. One way to appreciate it would be, to have sequential progressions along both orientations from a given point, which in the process would become the middle point
31. Here It also would be relevant to note that (0, 1, 0) leads to (0+1+0) = 1 = 1 x 1 = 1^2 and (0, 1, 2, 1, 0) leads to 0 + 1 + 2+ 1+ 0 = 4 = 2^2 and further 0, 1, 2, 3, 2, 1, 0 leads to 0 + 1 + 2 +3 +2 +1 = 9 = 3^2 and so on.
32. This way the system set into process as above shall be leading to a series of formatting systems and these deserve to be chased.
33. Here it also would be relevant to note that such formatting, deserve to be chased, in reference to every dimensional space.
34. Like domain fold and dimension fold, numbers and artifices, as well as maxima and minima organize themselves along the format (n, n+2) values pair.
35. A step ahead the organization would get extended to numbers / artifices triple (n, n-2, n-4)
36. In opposite orientation, it would be taking us to (n, n+2, n + 4).
37. The super imposition of them shall be leading to (2n, 2n, 2n).
38. This as such shall be leading to (2, 2, 2)
39. It at the dimensional level shall be leading to (0, 0, 0)
40. It as such would be amounting to a three point fixation for space.
41. Here it also would be relevant to note that dimensional synthesis value for triple dimensions of same order is of value '6'.
42. Simultaneously it also would be relevant to note that 6 points fix five linear units.
43. However along circumference (curve), 6 points fix 6 units.
44. With it, the set ups of hexagons and pentagons deserve to be chased.
45. Hexagon has internal hexagon fixed by the internal diagonals of hexagon.
46. Pentagon as well has internal pentagon fixed by internal diagonal of pentagon.
47. However the difference is that while in case of hexagon, as well has internal diagonals of counter hexagon extended within internal hexagon for a meet at the center but in case of pentagon, the internal diagonals do not extend within internal pentagon. That way the internal hexagon of hexagon is of sealed center while internal pentagon of pentagon is not of a sealed center.
48. Infact pentagon is the only set up which leads to sequential range of internal pentagons with open center zones

49. Here it would be relevant to note that square is the set up of its internal diagonals meeting at the center.
50. This way, pentagon and parallel to it number five and further parallel to it 5-space, that way becomes the central value of Vedic Systems
51. One may have a pause here and take note that Sathapatya measuring rod with Lord Vishnu as presiding deity and Lord Brahma as the presiding deity of its measure shall be formatting the pair of end points for the transcendental flow of Jyoti from the Sun along its rays.
52. Further it would be relevant to note that Lord Brahma, Lord Shiv, Lord Vishnu are together designated as Trimurti.
53. Parallel to it are the triple values (4,5, 6).
54. Still further parallel to it is the set up of square, pentagon, hexagon)
55. One may have a pause here and permit the transcending mind to be face to face with this Phenomenon of transcendental flow being chased in terms of Sathapatya measuring rod of our solar universe (6-space)

…to be continued

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