# Sri – Om
# VEDIC MATHEMATICS AWARENESS YEAR

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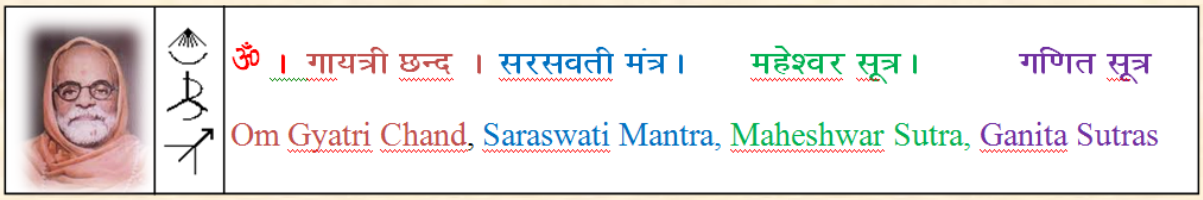


## Vedic Mathematics,

(Sunlight format Mathematics)

**Discipline of dimensional Synthesis**

**Mathematics Course**

**30**

Dimensional syntheses Mathematics

1. The focus of Vedic mathematics science & technology is upon the dimensional syntheses mathematics.
2. Dimensional syntheses value (DSV) of a pair of dimensions and sequentially any number of dimensions is the basic concern of VMS & T systems.
3. We are well acquainted with the linear dimensional frame of 3-space, which is constituted by a set of three linear dimensions.
4. The syntheses value of a pair of linear dimensions is (3).
5. The syntheses value of triple linear dimensions is (6)
6. One may have a pause here and take note that triple linear dimensions permit split as a set of six half dimensions.
7. One may have a pause here and take note that the domain fold is the third fold and as such it permits split in to six components.
8. One may further have a pause here and take note that domain-boundary formulation for cube and sphere accepts formulation $A^3$,$6B^{2.}$
9. It would be blissful to note that syntheses value of triple dimensions of any order is (6).

10. It is this feature, which deserves to be comprehended well.
11. It is to be appreciated fully.
12. It deserves to be imbibed completely.
13. It is the through insight about it which shall be leading to enlightened vision about the dimension syntheses phenomena.
14. Further It would be relevant to note that the DSV of 4 linear dimension comes to be 1+2=3=4=10.
15. Further as that DSV of four spatial dimensions comes to be 2+2+2+2=8.
16. Here It would be relevant to note that 10-8=2.
17. As such, this difference value '2' becomes the determing factor to reach at DSV values sequence four fold dimensions of all orders, which comes to be:

| Sr.no | Order /Dimension | Number of Dimension | DSV | |
|---|---|---|---|---|
| -1 | -7-Space | 4 | 26 | |
| 2 | -6-Space | 4 | 24 | |
| 3 | -5-Space | 4 | 22 | |
| 4 | -4-Space | 4 | 20 | |
| 5 | -3-Space | 4 | 18 | |
| 6 | -2-Space | 4 | 16 | |
| 7 | -1-Space | 4 | 14 | |
| 8 | 0-Space | 4 | 12 | |
| 9 | 1-Space | 4 | 10 | |
| 10 | 2-Space | 4 | 8 | |
| 11 | 3-Space | 4 | 6 | |
| 12 | 4-Space | 4 | 4 | |
| 13 | 5-Space | 4 | 2 | |
| 14 | 6-Space | 4 | 0 | |
| 15 | 7-Space | 4 | -2 | |
| 16 | 8-Space | 4 | -4 | |
| 17 | 9-Space | 4 | -6 | |

18. The above table can be extended by the difference value as above.
19. Now in case of five dimensions, the difference value can be reached as:
    (Syntheses value of 5 linear dimensions)-(Syntheses value of 5 spatial dimension)=(1+2+3+4+5)-(2+2+2+2+2)=15-10=5.
20. The above difference value (5) will help us reach at the TSV values for syntheses of 5-dimensions of all orders.
21. The illustrative table is as under

| Sr.no | Order /Dimension | Number of Dimension | DSV | |
|---|---|---|---|---|
| -1 | -7-Space | 5 | 55 | |
| 2 | -6-Space | 5 | 50 | |
| 3 | -5-Space | 5 | 45 | |
| 4 | -4-Space | 5 | 40 | |
| 5 | -3-Space | 5 | 35 | |
| 6 | -2-Space | 5 | 30 | |
| 7 | -1-Space | 5 | 25 | |
| 8 | 0-Space | 5 | 20 | |
| 9 | 1-Space | 5 | 15 | |
| 10 | 2-Space | 5 | 10 | |
| 11 | 3-Space | 5 | 5 | |
| 12 | 4-Space | 5 | 0 | |
| 13 | 5-Space | 5 | -5 | |
| 14 | 6-Space | 5 | -10 | |
| 15 | 7-Space | 5 | -15 | |
| 16 | 8-Space | 5 | -20 | |
| 17 | 9-Space | 5 | -25 | |

22. Let us have a pause here and take note that in case of syntheses of 4 dimensions of same order, DSV range of values are arranged with the difference value '2'.
23. Further in case of syntheses of 5-dimensions of same order, difference value is '2+3=5'.
24. A step head, in case of syntheses of 6-dimensions of same order, the difference value would be 2+3+4=9'.
25. Like that, in case of syntheses of N dimensions of same order the difference value would be '2+3+4+5+--- (N-2).
26. It would be a blissful exercise to work out different tables of DSV values for different values of 'N'.
27. Illustratively for N=9, the difference value would be '2+3+4+5+6+7'=35.
28. One shall sit comfortably and permit the transcending mind to be face to face with this dimensional syntheses mathematics values.
29. One shall comprehend this phenomena well and to appreciate the same fully to imbibe it completely for through insight and deep vision.
30. The mathematics of dimensional syntheses of dimensions of same order is a very powerful Discipline, in terms of which the functional model of Nature can be reached at.
31. Here It would be relevant to note that the dimensional order of 5-space is 1x3x5=15=3+3+3+3+3=15=1+2+3+4+5.
32. TCV value of formulation Swara is '15'.
33. TCV value of formulation '*Karan*' is also '15'.

34. Geometrics range of 7-space as well is 15.
35. TCV value of formulation *RAM* as well is 15.
36. One may have a pause here and take note that all these formulations with common TCV value 15 will help us to be face to face with this phenomena of mathematics of TCV values equality.
37. This also brings to focus the importance of Dictionary of TCV values.
38. With it a stage would be reached to work out transcendence mathematics which shall be taking us to the dimension of dimension level.
39. This is going to be the mathematics of transcendence at origin of creator's (4-space).
40. 4-space is of a spatial dimensional order.
41. As such the transcendence mathematics is to be worked out on the base of spatial dimensional order space as domain.
42. It as such is going to be the mathematics of '2 as 1' and '1 as 2' working simultaneously.
43. As such from '5.5.2015', the concepts of transcendence mathematics are going to be touched.
44. The interested Sadhakas may interact with their points on which they may like more elobrations. Needless to add that one shall be fulfilled with an urge to know more and more.

…to be continued

04-05-2015 Dr. Sant Kumar Kapoor