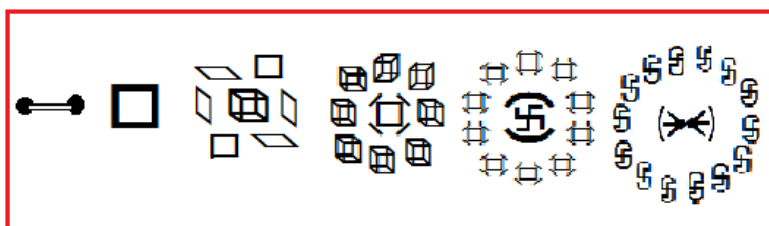# VEDIC MATHEMATICS

&

MODERN MATHEMATICS

SATHAPATYA MEASURING ROD

(HYPER CUBES 1 TO 6)

Consolidated Steps of learning and teaching of Vedic mathematics, Science & Technology

STEP – 21
Triloki and Transcendental carriers

1. Twenty one learning and teaching step of Vedic mathematics, Science & Technology is learn about the *Triloki* **and Transcendental carriers**

1. '*Triloki* (त्रिलोकीः), may be formally defined and accepted as 'Sealed Framed Domain'.
2. Domain (fold) is the third fold of the manifestation layer.
3. Domain fold is manifested space content lump.
4. Framed domain is the domain framed externally by geometric envelope of boundary fold and framed internally by the dimensional frame.
5. Sealed framed domain is the framed domain with its origin being sealed.
6. In the context of hyper cube 3 / cube, the sealed framed domain comes to be the cube within its spatial boundary having a three dimensional frame of linear axes with its origin super-imposed upon the center of the cube.

7. In reference to hyper cube 4, *Triloki*, as a sealed framed domain is the set up of hyper cube 4 domain enveloped within solid boundary and having the four dimensional frame of four spatial dimensions with origin super-imposed upon the center of hyper cube 4.
8. In general, *Triloki* as sealed framed domain of hyper cube n is the set up of hyper cube n domain fold enveloped within boundary of (n-1) space content and origin of dimensional frame of n dimensions of (n-2) order super-imposed upon the center of hyper cube n.
9. Sealed framed domain as a manifested creations along the format of Idol of Lord *Brahma*, four head lord, creator the supreme, parallel to the format of hyper cube 4 itself, has transcendental (5-space) origin which is the base fold, the fifth

fold of the set up of sealed framed domain.

10. One shall have a pause here and revisit the above set up of a sealed framed domain with base fold.

11. The dimensional order of the base fold being of a higher degree than that of the origin fold, as such transcendence takes place at the origin fold.

12. This transcendence Phenomenon deserves to be visited and revisited and to be chased.

13. One may have a pause here and take note that the transcendence from base fold through origin takes to the domain fold.

14. One may further have a pause here and take note that, this that way, amounts to a reach from fifth fold to the third fold of the manifestation layer.

15. One may further have a pause here and take note that third fold is of the dimensional order role being played by the first fold.

16. As such, the reach from fifth fold to first fold through third fold stands manifested as transcendence format (fifth fold, third fold, first fold) / (5, 3, 1)

17. One may have a pause here and take note that the as fifth fold, third fold and first fold themselves as well are the framed domains, as such, the transcendence format itself becomes a synthetic format of three folds, sequentially taking us through the phases and stages of transcendence as (i) 9, 7, 5, (ii) 7, 5, 3 and (iii) 5, 3, 1.

18. One may have a pause here and take note that the synthetic joints at (3), (5) and (7), as such leads us to dimensional synthesis values (3, 3) = 5, (5, 5) = 7 and (7, 7) = 9.

19. Further it would be relevant to note that:
$1 + 3 + 3 + 5 + 5 + 7 + 7 + 9 = 40$ which accepts re-organization as $40 = 4 \times 10$ which is parallel to 40 coordinates fixation for the creative (4-space)

boundary of transcendental (5-space) domain.

20. One may have a pause here and take note of the above three fold format
   (i) 1, 3, 5 with summation value $1 + 3 + 5 = 9$
   (ii) (3, 5, 7) with summation value $3 + 5 + 7 = 15$ and
   (iii) (5, 7, 9) with summation value $5 + 7 + 9 = 21$
   leads to total value $9 + 15 + 21$
   $= 45 = 5 \times 9$

21. One may further have a pause here and take note that the values array (1, 5, 7, 9, 9) is of summation value $1 + 5 + 7 + 9 + 9 = 31$.

22. One may further have a pause here and have a fresh visit to the above features of the transcendence format which brings us face to face with the artifices values (31, 40, 45), which in the context of their unit digit triples (1, 0, 5) focus upon linear order (1-Space as dimension), zero order (0-Space as dimension) and transcendental order (5-space as dimension).

23. This as such shall be bringing to focus the transcendence format:
   I. (1, 3, 5), (3, 5, 7), and (5, 7, 9)
   II. (0, 2, 4), (2, 4, 6) and (4, 6, 8).
   III. (5, 7, 9), (7, 9, 11) and (9, 11, 13)

24. One may have a pause here and take note that of the above three transcendence formats, as far as the first transcendence format in respect of linear order is concerned, the same, as such has been visited above.

2. The other two transcendence formats viz. in respect of zero dimensional order and transcendental dimensional order, as well deserve to be specifically chased and comprehended independently as self sustained formats.

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