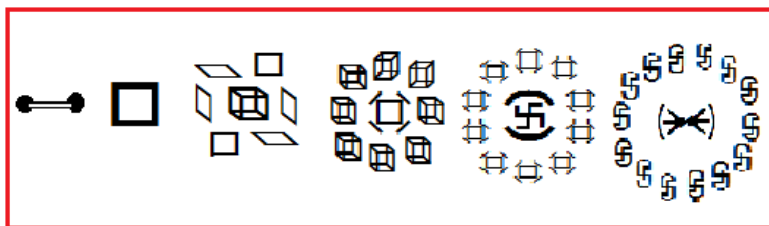


## VEDIC MATHEMATICS

&

## MODERN MATHEMATICS

### SATHAPATYA MEASURING ROD



(HYPER CUBES 1 TO 6)

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

### STEP – 10

#### Dimensional frames

1. Tenth learning and teaching step of Vedic mathematics, Science & Technology is learn about the dimensional frames.
2. Dimensional frame is the feature of dimension fold of manifestation layer of hyper cube
3. 1-Space plays the role of dimension fold of hyper cube-3
4. 1-Space content lump manifests as domain fold of hyper cube-1 and while it plays the role of dimension fold of hyper cube-3, it expresses itself as a set up of three dimensions (linear dimensions)
5. This expression of the role of 1-space content lump being domain fold of hyper cube-1 but playing the role of dimension fold of hyper cube-3, and maintaining integrity of 3-Space as domain fold, brings us face to face with the synthetic values Mathematics of synthesis of linear dimensions, which are three in number here.
6. 1-Space plays the role of dimension of 3-Space.
7. Pair of linear dimensions synthesize the feature of 3-Space set up.
8. Further synthesize role of all the three dimensions contribute for further features of 3-Space set up.
9. Dimensional synthesis values of single, double and triple linear dimensions constitute a values triple  $(1, 1 + 2, 1 + 2 + 3) / (1, 3, 6)$ .
10. The pair of quadruple spatial dimensions of 4-Space dimensional frame lead to quadruple synthesis values  $(2, 4, 6, 8)$
11. Quadruple linear dimensions lead to quadruple values  $(1, 1 + 2, 1 + 2 + 3, 1 + 2 + 3 + 4) / (1, 3, 6, 10)$ .

12. This simultaneous pair of quadruples values set ups of linear dimensions and spatial dimensions namely (1, 3, 6, 10) and 2, 4, 6, 8 in respect of the role of the fourth dimension is of the feature  $10 - 8 = 2$  making it that at the stage of synthesiz of fourth dimension, a shift from linear set up to spatial set up would amount to diminishing of values (2)
13. It is this feature of diminishing of values at the addition of fourth dimension which deserve to be comprehended well and to be imbibed fully to have proper insight and enlightenment vision about the roles of dimensional frames.
14. Dimensional synthesis of dimensions is one feature which deserves to be comprehended well and to be imbibed thoroughly.
15. The other aspect which deserve to be comprehended well and to be imbibed thoroughly is the split feature of dimensional domains (domain folds)
16. Dimension synthesis and domains split, that way are a pair of basic features of VMS & T, in terms of whose comprehension, one may evaluate and index one's understanding of the values of the Discipline of VMS & T.

Dr. S. K. Kapoor, *Ved Ratan*

