

# Vedic Mathematics, Science & Technology

## FOUNDATION COURSE



Week – 8    Measuring rods

Introductory

1. This week focus is upon measuring rods.
2. Measuring rod avails hyper cubes formats.
3. From hyper cubes format to measuring rods to measuring units are the chase of systems foundation along manifestation formats. The next phase of chase of systems foundation would be along Transcendental formats, which itself would be of chase steps along Transcendental ranges with an aim to have Transcendence reach of self referral formats.
4. During previous week focus had been upon hyper cubes format.
5. Here during present week the format and features of hyper cubes, individually and collectively for their individual and simultaneous chase are going to be availed to take up the aspect of measuring rods.
6. NVF (measuring rods) = NVF (Light matter); as much as that NVF (rods) = NVF (light) and NVF (measuring) = NVF (Matter).
7. NVF (measuring rods) =  $77 + 56 = 133 =$  NVF (Printout) = NVF (Seed Discipline).
8. Here it would be relevant to note that NVF (Measure) =  $82 =$  NVF (Factors) = NVF (Affine) + NVF (Affine).
9. NVF (Rod) =  $37 =$  NVF (Seal).
10. Each space manifesting as domain fold permit chase in terms of its specific measuring rod.

Week – 8    Measuring rods

Chase step 22	1 as 0 to 1
Chase step 23	2 as 0 to 2
Chase step 24	5 as 0 to 5

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Chase step 22      1 as 0 to 1

1.  $1^1 = 1^2 = 1^n = 1^{-n}$ .
2. 1 as a line / surface area / solid / hyper solid.
3. 1 as linear unit / spatial unit / solid unit / hyper solid unit/
4. 1 as 0-space unit / -1 space unit / -2 space unit / - n space unit.

5. 1 as 0 space content lump / 1-space content lump / 2-space content lump / n-space content lump / - n space content lump.
6. 1 as n-space content lump as dimension fold / as boundary fold / as domain fold / origin fold / base fold / format fold / unity fold.
7. 1 as 1-space content wrapped within 0 space content / 2-space content wrapped within 1-space content / 3-space content wrapped within 2-space content / n-space content wrapped within n-1 space content.
8. 1 as dimension fold super imposed upon domain fold.
9. One may have a pause here and permit the transcending mind to be face to face with above features of their individual, collective and simultaneous format to have comprehension, appreciation and for their imbibing and insight about their sequential arrangements as measuring rods availing hyper cubes formats of format and features parallel to the sequential set up of counts / counting numbers and thereby systems foundation leading us to systems processes parallel to the counting and computation processes.
10. One may have a pause here and take note that counting numbers counting processes sequentially take us from 0 to 1, 1 to 2, 2 to 3 and so on and accept the working rule for this organization parallel to the format and features of rule of ganita sutra-1 'one more than before'.
11. One may further have a pause here and take note that this chase along a line shall be permitting counting initiations from a n point along a line, to be taken as 0 count. A unit ahead shall be taking us to next point to be associated with value of count '1'.
12. One may have a further pause here and take note that this reach from counting initiation point of count 0 and ahead a reach uptill next count point associated value as count 1, in a way is making the chase processes from count 0 to count - 1 as a chase process along a line between pair of points.
13. One may further have a pause here and take note that points as of zero count value and the line covered in between the pair of points attaining a reach from 0 count to count 1, as such, as a format and features of the counting processes of systems availing geometric format beneath shall be bringing us face to face with the format and features of the measuring rods.
14. One may further have a pause here and take note that the point as a structured point and simultaneously line as well a structured line as of format and features of hyper cube 0 and hyper cube 1 shall be helping us comprehend, appreciate and to imbibe and further to have insight of their synthesis as measuring rod of domain fold of hyper cube 1.
15. One may further have a pause here and take note that 0-space / point as domain fold of hyper cube 0 as manifested 0 space content lump shall be having a degree of freedom of motion along a line / 1-space / domain fold of hyper cube 1 / manifested 1 space content lump.
16. One may further have a pause here and take note that the line as such would emerge as a track of a moving point.
17. Static Point while in motion structuring a line track, and line as a format permitting setting of infinite number of state points are the features which shall be helping us have further insight about this set up.

18. One may further have a pause here and take note that the nine track in between the given pair of static state points shall be leading to a pair of orientations for the in between structured point
19. One may have a pause here and take note that either of the pair of given static state points as the starting point for structuring of a track uptill the other given static state for point shall be the attained one way path track.
20. One may further have a pause and take note that the fresh start from the other point, as the initiation point and a reach back at the original starting point shall be leading to other orientation for the structured track
21. One shall permit the transcending mind to continuously remain in prolonged sitting of trans and to glimpse this phenomenon of pair of orientations for the track in between given pair of points.
22. It shall be leading us to say positive orientation permitting expression as +1 and negative orientation permitting expression as -1 and their simultaneous existence and super imposition neutralizing and attaining neutralized state track with setting of static state points permitting expression as '0' shall be leading us to triple -1, 0, + 1.
23. Further this also shall be bringing to focus that the pair (-1, +1) which is of the format and features of (n, n+2) parallel to which is the format and features of (dimension fold, domain fold).
24. Still further shall be bringing to focus that the pair of end points / the start with static state pair of points as well because of the orientations reach for each other shall be making them of values (-0, +0).
25. Further this pair -0, +0 as a pair of dimensions (0-space in the role of dimension) shall be leading to 2-space domain.
26. This as such because of the format and features of 0-space and 2-space shall be making 2-space in the role of origin for sustaining triple (-1, 0, 1).

#### I.

- a)  $0 + 0 = 0$
- b)  $-0 + 0 = 0$
- c)  $(-0) + (-0) = 0$
- d)  $0 \times 0 = 0.$
- e)  $-0 \times -0 = 0$

#### II.

- a)  $2 + 2 = 4$
- b)  $2 \times 2 = 4$
- c)  $(-2) \times (-2) = 4$

27. One may further have a pause here and take note that the quadruple (-1, 0, 1, 2) is parallel to the four fold manifestation layer (-1, 0, 1, 2) / (-1 space as dimension fold, 0-space as boundary fold, 1 space as domain fold and 2-space as origin fold) of hyper cube 1.
28. It is this attainment of the set up of hyper cube 1 during a reach for the static point while in dynamic state structuring linear track, which deserves to be comprehended well.
29. One may have a pause here and take note that point as a zero length, line has a zero area surface as zero volume and solids have zero hyper volume.

30. Further as that NVF (point) = NVF (One line)
31. One may have a pause here and take note that triple  $(-0, 0 + 0)$  with the set up  $(-0, +0, +0)$ .
32. Still further re-organized as  $-1, -1+1, +1$  shall be bringing us face to face with the format and features of internal structures set up between a given pair of points / structured points, the points embedded with a structures of 0-space / 1-space / 2-space / n-space / -n space.
33. Parallel counts reach from 0 count to count 1 with  $1 = 1 + 0$ , as such shall be helping us comprehend as that the reach steps are to be of the format and features (i) 0 (ii)  $0 + 1$ .
34. This as such shall be leading us to the attainments of reach availing format and features of hyper cubes being of sequential order (i) hyper cube 0 (ii) hyper cube 0 followed by hyper cube 1.
35. This as such lead us to the measuring rod of 1-space / 1-space domain being synthesized as hyper cube 0 and hyper cube 0 and 1.
36. One may further have a pause here and take note that the reach of the measuring rod as such shall be only uptill the middle as the domain fold stand structured in terms of a pair of orientations which neutralized themselves only at the middle.
37. One may further have a pause here and take note that the reach from either end uptill middle that way, brings in split of 1 into pair  $(1/2, 1/2)$  and that way comes into play  $(1/2$  as a working unit), which is a features of creator's space (4-space)
38. One may have a pause here and take note that it is because of this feature that the triple  $-1, 0, +1$  with (0) at the middle as NVF point = NVF (one line) is focusing upon 1 of the pair of dimensions of spatial order of creator's space (4-space)/
39. Further it also would be relevant to note that the synthesis of pair of linear dimensions  $(1, 1)$  attain synthesis value (3), as the domain value because of which the approach to the middle from either side as such shall be structuring middle as a point of domain.
40. One may have a pause here and take note that  $NVF (\text{Monad}) + NVF (\text{Monad}) = NVF (\text{Trimonad})$
41. It is because of the domains being the manifested space contents as domain folds of hyper cubes, as such the format and features of the measuring rods as sequential synthesis of hyper cubes parallel to the sequential counts  $(0, 0+1, 1+1, 1+1+1, \text{----})$  lead us to measuring rods as (hyper cube 0, hyper cube 1), (hyper cube 0, hyper cube 1, hyper cube 2, ---).

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Chase step 23      2 as 0 to 2

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1.  $2 = 1 + 1$ .
2.  $2 = (0 + 1) + (0 + 1)$
3. For a reach from 0 count to count 2 we have to have triple points along a line.

4. The triple points as static states point shall be providing a two phased coverage with first phase coverage as a track of a moving point between pair of static state points and second phase being of another track of a moving point between second and third static state points.
5. The track between first static point to the second static point and the track between second static point and third static point, as independent tracks are to have parallel formats and features
6. One may have a pause here and take note that the reach from 1 to 2 = 1 + 1 and reach from 2 to 2 + 1 is of distinguishing features as much as that
  - a. 2 = 2 x 1, as such the reach from 1 to 2 is of the formats and features of 1 as 1.
  - b. The reach from 2 to 3 is of the formats and features of 1 as 2
  - c. The synthesis of the pair of tracks of reach from count 0 to count 2, as such shall be requiring simultaneous availability of pair of features for the unit as that 'I' 2 as 1 and 'II' 1 as 2.
7. Let us have a pause here and sequentially chase hyper cubes 0, hyper cube 1 and hyper cube 2.
8. Hyper cube 0 accepts four fold manifestation layer (-2, -1, 0, 1).
9. Hyper cube 1 accepts manifestation layer (-1, 0, 1, 2).
10. Hyper cube 2 accepts manifestation layer (0, 1, 2, 3)
11. One may have a pause here and take note that the four folds formats of hyper cubes as such are of the formats and features of four fold sequential flow lines:
  - i. Dimensional flow line comes to be  
-2 space as dimension, -1 space as dimension, 0 space as dimension, --
  - ii. Boundary flow line comes to be  
-1 space as dimension, 0 space as dimension, 1 space as dimension, --
  - iii. Domains flow line comes to be  
0 space as dimension, 1 space as dimension, 2 space as dimension, --
  - iv. Origins flow line comes to be  
1 space as dimension, 2 space as dimension, 3 space as dimension, --
12. One may have a pause here and take note that NVF (Origin) = NVF (Light cage) = NVF (Domain cage) = NVF (three) = NVF (folds cage) = NVF (flow cage) .
13. Origin fold is the fourth fold/
14. NVF (origin fold) = NVF (fourth fold) = NVF (Volumme seal)
15. NVF (Volumme) = NVF (Space, space) = NVF (go, go) + NVF (go, go)
16. It would be relevant to note that  
NVF (base fold) = NVF (Half seal)  
NVF (Transcendence) = NVF (Transcend half)
17. NVF (Fifth fold) = NVF (Axes seal) = NVF (eighth fold)
18. One may further have a pause here and permit the transcending mind to be face to face with the following features

- i. The linear sequential triple (1, 2, 3) transits and transforms into spatial sequential triples ( $2^0, 2^1, 2^2$ )
- ii. NVF (point) = NVF (One line)
- iii. NVF (Straight) = NVF (Two space)
- iv. 3 linear axes transit and transforms into 4 spatial (interval) diagonals (of cube) passing through the centre of cube / origin of 3-space as a seat of 4-space of spatial order
- v. Synthesis of 3 quarters of a square bring into fourth unmanifest quarter and make the set up for the quarter as of four quarter, with 3 of them being manifest quarter and 4<sup>th</sup> being the unmanifest quarter.
- vi. First three vowels permit coordination, and remaining 6 vowels permit coordination as triple pairs of vowels.
- vii. Three dimensional frame permits split into a pair of three dimensional frame of half dimensions

19. One may have a pause here and permit the transcending mind to continuously remain in prolonged sitting of trans and glimpse the phenomenon of sequential extension of measuring rods for sequential reach uptill the middle of dimensional domains as domain folds of sequential range of hyper cubes

- (i) Measuring rod of 1-space  
Hyper cube 0 and hyper cube 1 set up
- (ii) Measuring rod of 2-space  
Hyper cube 0, hyper cube 1 and hyper cube 2 set up
- (iii) Measuring rod of 3-space  
Hyper cube 0, hyper cube 1, hyper cube 2 and hyper cube 3 set up

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Chase step 24      5 as 0 to 5

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It would be blissful exercise to reach at the measuring rod of hyper cube 5 and to enlist the reach of measuring rod of hyper cube 5.

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