

Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

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Swami Bharati Krshna Tirtha Ji Maharaj
(1884-1960)

All are invited to join Awareness program

All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.

Dr. S. K. Kapoor, Sh. Rakesh Bhatia,
Sh. Bhim Sein Khanna, Sh. Deepak Girdhar
- Organizers

ISSUE NO 120

Vedic Mathematics and
modern Mathematics

01-05

*Vedic Mathematics
and Modern Mathematics*

- I. Vedic Mathematics and Modern Mathematics
- II. Second phase of applied values of Vedic Mathematics
- III. **First assumption of the Book:
Analytical Solid Geometry**

**IV
Conics to Conicoids**

1. Analytical Solid geometry takes up '3-space' as solid (s) and the approach adopted is of transition from Conics to Conicoids. This transition illustratively is from circle to sphere.
2. Circles and Spheres are defined as set ups within a pair and triple orthogonal axes respectively; accepting centers at the origins of dimensional axes (frames), and keeping constant distance from the origin.
3. Circumference of a circle and surface of the sphere, that way become the determining feature of this approach of analytical geometry.
4. This approach in a way leads to split for 2-space as set of concentric circumferences and full space (3-space) as a set of concentric surfaces (of concentric spheres.
5. One may have a pause here and take note that 2-space remains nothing but set of circumferences of increasing radii of concentric circle. And full space (3-space) is being nothing but the set of surfaces of increasing radii of concentric spheres.





6. One may further have a pause here and take note that 2-space becomes just the circumference (s) while full space becomes just the surface (s)
7. One may further have a pause here and take note that it amounts to having a shift from domain fold (area of circle) to boundary fold (circumference of circle) in case of 2-space (planes), and a shift from domain fold (volumme of sphere) to boundary fold (surface of sphere) in case of full space (3-space).
8. One may have a pause here and to fully comprehend this shift from domain fold to boundary fold feature of the approach of 'analytical geometry Discipline of modern mathematics' and to appreciate its implication and to imbibe it to have insight about this approach, which is always slipping away from 'domain' and remaining confined to 'boundary', which would mean that the analytical solid geometry remains analytical geometry of surfaces of solids (3-space). It is here where modern Mathematics is having a conceptual halt and it deserves to be visited and revisited for a breakthrough to have a catch and comprehension of 'domain fold'. And it is here from where Vedic Mathematics takes over.
9. The ratio of circumference of a circle of unit radius and of surface of sphere of unit radius ($2\pi r : 4/3 \pi r^2$), $r = 1 / (1: 2/3)$ brings in '3:2'.
10. One shall have a pause here and permit the transcending mind to be face to face with this relationship and to transcend through this ratio value to have an insight about linear order circumference and the spatial order surfaces of 2-space and 3-space bodies (circles and spheres) respectively.
11. The ratio of domain (area of circle) and Boundary (circumference of circle) and the ratio of domain (area of square) and Boundary (boundary of square) are of constant proportions $D/4$.
12. Likewise the ratio of domain (volume of sphere) and Boundary (surface of sphere) and the ratio of domain (volume of cube) and Boundary (surface area of cube) are of constant proportions $D/6$.
13. Further as that these ratios of 2-space bodies and 3-space bodies are in sequential progression, as much as that these accept common formulation:

$$D^n : 2nD^{n-1} \text{ for } n = 2, 3$$

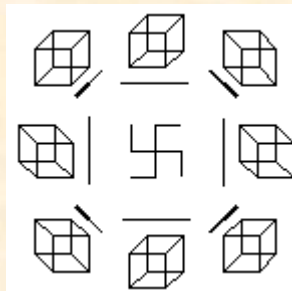
$$D = \text{length of square / cube}$$

$$D = \text{diameter of circle / diameter of sphere}$$

14. For facility of revisit, we may have a look at symbolic representation / expression, the set ups of square, cube of side 'D' and of circle and sphere of diameter 'D' are being tabulated hereunder:-

Geometric Body	Square  		Cube  
Area	D^2	Volume	$D^{3/6}$
Perimeter / Boundary	4D	Surface area	D^2

15. Vedic Systems simultaneously approach domain fold and boundary fold. It chases space bodies in their different roles and one of the roles of solid body / 3-space body / cube is of solid boundary of 8 components of 4-space body ($D^4: 8D^3$)



To be continued....

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* **27-02-2015**

Dr. S. K. Kapoor, (Ved Ratan)

Incredible India format

Today let us think of **Vedic sounds** to appreciate incredible India format, education policy direction, skills development vision and creation of jobs pool.

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Earth to Pole Star Unity format Values**(Black Matter and Light)****Incredible India format**

Incredible India format works out 'Black Matter and light' to fulfill 'space format for manifested creations'. This working is of the creative order of solar universe. Black matter is supplied by Pole Star. Light is supplied by the Sun. The Sunlight superimposed upon Black Matter fulfills this space. The space so fulfilled becomes the basis of manifested creations. The Existence Phenomenon, accordingly becomes features of such values. These values deserve to be chased for their virtues.

Also see at http://mygov.in/group_info/incredible-india

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Education policy direction

The Education Policy Direction is to be for reach at virtues of the values of manifested creations along the format of space fulfilled with black matter super imposed by Sunlight. This direction shall be implemented very gently as features of such Existence Phenomenon is of very delicate values. These values mark their presence as Life within frames. Of these human frame is of central focus for us. There are infinite range of frames which are to be worked out. Education is to be for all this.

Also see at http://mygov.in/group_info/new-education-policy

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Skills development vision

The Skills Development Vision is to be as per the Education Policy Direction of providing knowledge of Existence Phenomenon within Frames. The knowledge of working out such Frames is to be imparted with Wisdom and Enlightenment. The Skills Development focus for an individual is to be make one's existence within Human Frame to give direction to the potentialities of Faculties to workout the features of Existence of Nature within Frames like that of Trees, Planets and the Solar System.

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Also see at http://mygov.in/group_info/skill-development

Jobs creation pool

Jobs creation pool shall be filled with caution to avoid any imbalance with the sustenance of Existence Phenomenon by the Natural Systems of Solar Universe. Human Resource is to go parallel to Solar Resources. The way Earth is being sustained within Solar Universe is to be the Rule Book. The revolution of Earth around its axes while revolving around the Sun and Moon continuing revolving around the Earth are to be kept at the center of the organization of jobs creation pool for to be blissful.

Also see at http://mygov.in/group_info/job-creation

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