

Phase 11

Vedic Ganita Sutras & Upsutras

(Sankhya Nishta – Yoga Nishtha – Samya Samuchayya Aadhar Vavastha Ganit)

संख्य निष्ठा योग निष्ठा साम्य समुच्चय आधार व्यवस्था गणित

20 22 12 22 16 23 15 27 18

11.5.7

Sathapatya format features basis of applied values**Ganita Upsutras 1 to 13**

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Vedic Ganita Sutras & Upsutras

(Sankhiya Nishta – Yoga Nishtha – Samya Samuchayya Aadhar Vavastha Ganit)

सौख्य निष्ठा योग निष्ठा साम्य समुच्चय आधार व्यवस्था गणित

20 22 12 22 16 23 15 27 18

11.5.7

Sathapatya format features basis of applied values

Ganita Upsutras 1 to 13

Abstract

Ganita Sutras and Upsutras text is in Devnagri alphabet as such the format features and values of Devnagri alphabet and its letters are impliedly available upon whose foundation the super structure of Ganita Sutras text and of its values and Sathapatya are sharpened. And mathematical domain of individual sutra and Upsutra despite being a complete mathematical domain, the transition from mathematical domain are given Sutra to the next Ganita Sutras is bridged by the in between Ganita Upsutra of integrated format of 29 steps of Ganita Sutras and Upsutras. Likewise the transition from the mathematical domain of given Upsutra to the mathematical domain of following it is gap bridged by the intervening Ganita Sutra of integrated format.

Preliminary

The text of Ganita Sutras and Upsutras is a set up of 46 word formulations. The inherent cyclic unfoldment phases and stages within eight directional frame are parallel Sathapatya features, these Sathapatya features, though are not being here but these have been previously enlisted. These cyclic phases may be referred from the previous PDF documents.

I

Sutras and Upsutras integrated format

	Sutra	Words	Syllables	Letters	TCV
Ganita Sutra 1	एकाधिकेन पूर्वेण ।	2	8	16	68
Ganita Upsutra 1	आनुरूप्येण ।	1	5	10	42
Ganita Sutra 2	निखिलं नवतश्चरमं दशतः	3	12	28	107
Ganita Upsutra 2	शिष्यते शेषसंज्ञः ।	2	7	18	74
Ganita Sutra 3	ऊर्ध्वतिर्यग्भ्याम्	1	5	15	56
Ganita Upsutra 3	आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
Ganita Sutra 4	परावर्त्य योजयेत् ।	2	7	17	51
Ganita Upsutra 4	केवलैः सप्तकं गुण्यात् ।	3	8	21	86
Ganita Sutra 5	शून्यं साम्यसमुच्चये	2	8	20	71
Ganita Upsutra 5	वेष्टनम् ।	1	3	08	41
Ganita Sutra 6	(आनुरूप्ये) शून्यमन्यत् ।	2	8	19	76
Ganita Upsutra 6	यावदूनं तावदूनम् ।	2	8	18	85
Ganita Sutra 7	संकलनव्यवकलनाभ्याम् ।	1	10	24	85

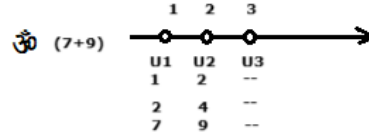
Ganita Upsutra 7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।	5	16	37	140
Ganita Sutra 8	पूरणापूरणाभ्याम् ।	1	6	16	68
Ganita Sutra 9	चलनकलनाभ्याम् ।	1	7	16	56
Ganita Upsutra 8	अन्त्ययोर्दशकेऽपि ।	1	7	16 (17)	50 (51)
Ganita Sutra 10	यावदूनम् ।	1	4	9	41
Ganita Upsutra 9	अन्त्ययोरेव ।	1	5	11	40
Ganita Sutra 11	व्यष्टिसमष्टिः ।	1	5	14	58
Ganita Upsutra 10	समुच्चयगुणितः ।	1	7	16	56
Ganita Sutra 12	शेषाण्यङ्केन चरमेण ।	2	8	20	76
Ganita Upsutra 11	लोपनस्थपनाभ्याम् ।	1	7	17	66
Ganita Sutra 13	सोपान्त्यद्वयमन्त्यम्	1	7	20	80
Ganita Upsutra 12	विलोकनम् ।	1	4	09	41
Ganita Sutra 14	एकन्यूनेन पूर्वेण ।	2	8	17	80
Ganita Upsutra 13	गुणितसमुच्चयः समुच्चयगुणितः ।	2	14	32	112
Ganita Sutra 15	गुणितसमुच्चयः	1	7	16	56
Ganita Sutra 16	गुणकसमुच्चयः ।	1	7	16	52

2 Ganita Upsutra 1 and 2

	Sutra	Words	Syllables	Letters	TCV
Ganita Sutra 1	एकाधिकेन पूर्वेण ।	2	8	16	68
Ganita Upsutra 1	आनुरूप्येण ।	1	5	10	42
Ganita Sutra 2	निखिलं नवतश्चरमं दशतः	3	12	28	107
Ganita Upsutra 2	शिष्यते शेषसंज्ञः ।	2	7	18	74

Ganita Sutra 1

Sathapatya format feature



Ganita Upsutra 1

	Sutra	Words	Syllables	Letters	TCV
Ganita Upsutra 1	आनुरूप्येण ।	1	5	10	42

- 1** Transcendental unit
- 5** ॐ Transcendental domain
- 10** Creative boundary of 10 components
- 42** 21 + 21 two units of Sathapatya measuring rod, **Spatial order 4-space**
- Brahma and Brahma presiding deity of 4-space
- 58**

Text syllable

SN	i	ii	iii	iv	v
L	आ	नु	रु	प्ये	ण।
TCV	2	11	9	12	8

Transition from Ganita Upsutra 1 to Ganita Upsutra 2

Sathpatya format feature of Ganita Upsutra 1

- 1 Transcendental unit
- 5 § Transcendental domain
- 10 Creative boundary of 10 components
- 42 21 + 21 two units of Sathapatya measuring rod, **Spatial order 4-space**
- Brahma and Brahma presiding deity of 4-space
- 58

Sathpatya format feature of Ganita Upsutra 2

- 2 Dimonad as transcendental unit in 4-space
- 7 h^2 , half unit hyper cube 2
- 18 H^5
- 74 $37 + 37 = (18 + 19) \times (18 + 19)$
 $= (H^5 + h^5) + (H^5 + h^5)$

3

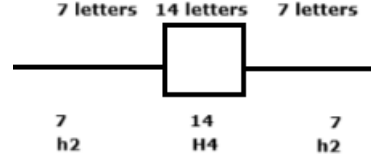
Ganita Upsutra 2 and 3

Ganita Sutra 2	निखिलं नवतश्चरमं दशतः	3	12	28	107
Ganita Upsutra 2	शिष्यते शेषसंज्ञः।	2	7	18	74
Ganita Sutra 3	ऊर्ध्वतिर्यग्भ्याम्	1	5	15	56
Ganita Upsutra 3	आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96

Ganita Sutra 2

Sathapatya format feature

निखिलं नवतश्चरमं दशतः



Ganita Upsutra 2

2 Dimonad as transcendental unit in 4-space

7 h2 , half unit hyper cube 2

18 H5

74 $37 + 37 = (18 + 19) \times (18 + 19)$

$= (H5 + h5) + (H5 + h5)$

Syllables split

SN i	ii	iii	SN i	ii	iii	iv
L शि	ष्य	ते	शे	ष	सं	ज्ञः
4	8	10	8	7	13	24

Transition from Ganita Upsutra 2 to Ganita Upsutra 3

Sathpatya format feature of Ganita Upsutra 2

2 Dimonad as transcendental unit in 4-space

7 h2 , half unit hyper cube 2

18 H5

74 $37 + 37 = (18 + 19) \times (18 + 19)$

$= (H5 + h5) + (H5 + h5)$

Sathapatya format feature of Ganita Upsutra 3

- 1 Transcendental unit
 9 $5 + 3 + 1$, sum up of transcendental domain, solid order and linear dimension of dimension
 23 $(3 + 5) + (3 \times 5)$ additive and multiplicative super imposition of transcendental domain and solid order
 96 $96 = D26$, $26 = H7$, 7-space of Transcendental order



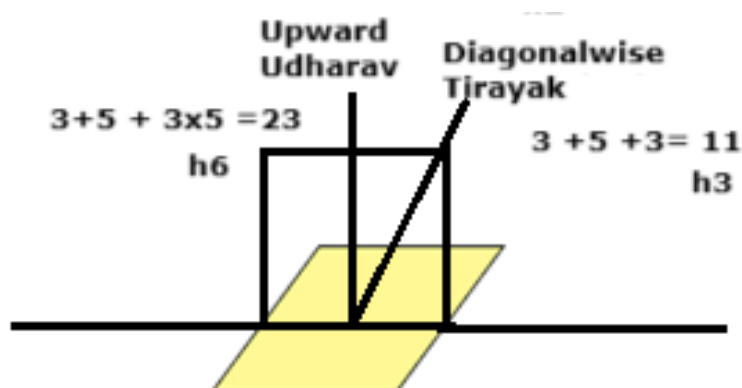
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Ganita Upsutra 3 and 4

Ganita Sutra 3	ऊर्ध्वतिर्यग्भ्याम्	1	5	15	56
Ganita Upsutra 3	आद्यमाद्येनान्त्यमन्त्येन	1	9	23	96
Ganita Sutra 4	परावर्त्य योजयेत् ।	2	7	17	51
Ganita Upsutra 4	केवलैः सप्तकं गुण्यात् ।	3	8	21	86

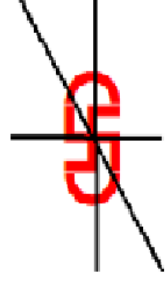
Ganita Sutra 3

Sathapatya format feature



Ganita Upsutra 3

- 1 Transcendental unit
 9 $5 + 3 + 1$, sum up of transcendental domain, solid order and linear dimension of dimension
 23 $(3 + 5) + (3 \times 5)$ additive and multiplicative super imposition of transcendental domain and solid order
 96 $96 = D26$, $26 = H7$, 7-space of Transcendental order



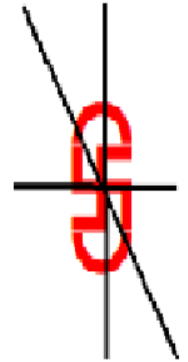
Syllables split

SN	i	ii	iii	iv	v	vi	vii	viii	ix
L	आ	द्य	मा	द्ये	ना	न्त्य	म	न्त्ये	न
	2	8	11	13	10	14	10	19	9

Transition from Upsutra 3 to Upsutra 4

Sathpatya format feature of Ganita Upsutra 3

- 1 Transcendental unit
 9 $5 + 3 + 1$, sum up of transcendental domain, solid order and linear dimension of dimension
 23 $(3 + 5) + (3 \times 5)$ additive and multiplicative super imposition of transcendental domain and solid order
 96 $96 = D26$, $26 = H7$, 7-space of Transcendental order



Sathapatya format feature of Ganita Upsutra 4

- 3 Trimonad unit of transcendental domain
8 $8 = 3 + 5$, super imposition of solid order upon transcendental domain
- 21 Sathapatya measuring rod unit of 6-space enveloped within transcendental domain
- 86 $86 = 43 + 43$;
43 = TCV (ब्रह्माण्ड)
6 + 7 + 8 + 9 + 10
6
6 + 7 + 8 + 9 + 10
- SSSynthesis of a pair of self referral (6-space) order) transcendental ranges

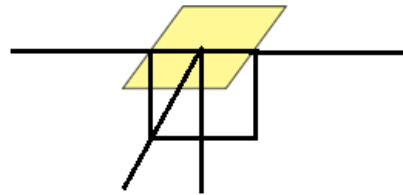
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Ganita Upsutra 4 and 5

Ganita Sutra 4	परावर्त्य योजयेत् ।	2	7	17	51
Ganita Upsutra 4	केवलैः सप्तकं गुण्यात् ।	3	8	21	86
Ganita Sutra 5	शून्यं साम्यसमुच्चये	2	8	20	71
Ganita Upsutra 5	वेष्टनम् ।	1	3	08	41

Ganita Sutra 4

Sathapatya format feature



Ganita Upsutra 4

- 3 Trimonad unit of transcendental domain
 8 $8 = 3 + 5$, super imposition of solid order upon transcendental domain
- 21 Sathapatya measuring rod unit of 6-space enveloped within transcendental domain
- 86 $86 = 43 + 43$;
 $43 = \text{TCV (ब्रह्माण्ड)}$
 $6 + 7 + 8 + 9 + 10$
 6
 $6 + 7 + 8 + 9 + 10$ | SSSynthesis of a pair of self referral (6-space) order transcendental ranges

Syllables split

SN i	ii	iii
L के	व	लैः
10	8	26

Transition from Ganita Upsutra 4 to Upsutra 5

Sathapatya format feature of Ganita Upsutra 4

- 3 Trimonad unit of transcendental domain
 8 $8 = 3 + 5$, super imposition of solid order upon transcendental domain
- 21 Sathapatya measuring rod unit of 6-space enveloped within transcendental domain
- 86 $86 = 43 + 43$;
 $43 = \text{TCV (ब्रह्माण्ड)}$
 $6 + 7 + 8 + 9 + 10$
 6
 $6 + 7 + 8 + 9 + 10$ | SSSynthesis of a pair of self referral (6-space) order transcendental ranges

Sathpatya format feature of Ganita Upsutra 5

- 1 Transcendental Unit of dimension of dimension
- 3 Transcendental dimension
- 8 = 3 + 5, super imposition of solid order and transcendental domain
- 41 Deficiency of transcendental content in the reservoir



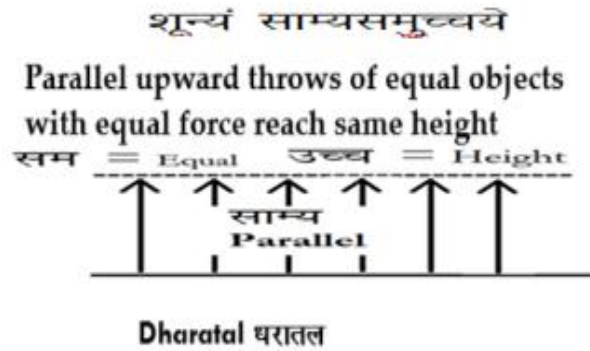
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Ganita Upsutra 5 and 6

Ganita Sutra 5	शून्यं साम्यसमुच्चये	2	8	20	71
Ganita Upsutra 5	वेष्टनम् ।	1	3	08	41
Ganita Sutra 6	(आनुरूप्ये) शून्यमन्यत् ।	2	8	19	76
Ganita Upsutra 6	यावदूनं तावदूनम् ।	2	8	18	85

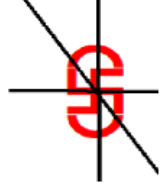
Ganita Sutra 5

Sathapatya format feature



Ganita Upsutra 5

- 1 Transcendental Unit of dimension of dimension
- 3 Transcendental dimension
- 8 = 3 + 5, super imposition of solid order and transcendental domain
- 41 Deficiency of transcendental content in the reservoir



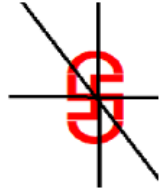
Text Syllable split

SN	i	ii	iii
L	वे	ष्ट	नम्

Transition from Ganita Upsutra 5 to 6

Sathpatya format feature of Ganita Upsutra 5

- 1 Transcendental Unit of dimension of dimension
- 3 Transcendental dimension
- 8 = 3 + 5, super imposition of solid order and transcendental domain
- 41 Deficiency of transcendental content in the reservoir



Sathpatya format feature of Ganita Upsutra 6

- 2 Dimonad unit of transcendental domain
= 3 + 5, super imposition of solid order upon
transcendental domain
- 8 = H5, 5-space body manifestation in 4-space
- 18 = H5, 5-space body manifestation in 4-space
- 85 complete structural expression of dimensional
domain within solid dimensional 5 axes frame
- $H^5 : 10B^4$, $H^4 : 8B^3$, $10 \times 8 = 80$, 5 solid domains is set
up of 3 x 5 cubes total 85 cubes expression



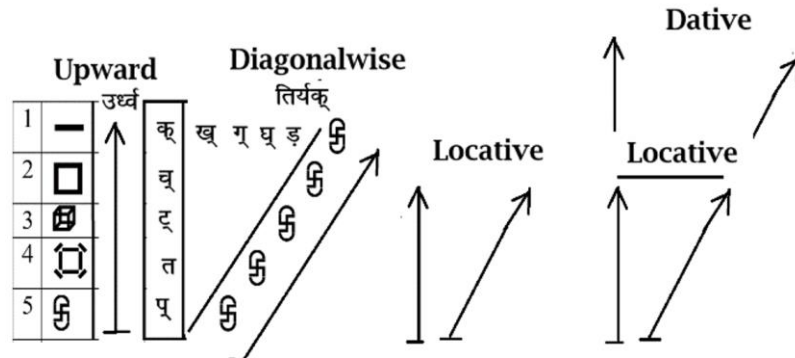
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Ganita Upsutra 6 and 7

Ganita Sutra 6	(आनुरूप्ये) शून्यमन्यत् ।	2	8	19	76
Ganita Upsutra 6	यावदूनं तावदूनम् ।	2	8	18	85
Ganita Sutra 7	संकलनव्यवकलनाभ्याम् ।	1	10	24	85
Ganita Upsutra 7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।	5	16	37	140

Ganita Sutra 6

Sathapatya format feature



Ganita Upsutra 6

- 2 Dimonad unit of transcendental domain
= 3 + 5, super imposition of solid order upon
transcendental domain
- 8
- 18 = H5, 5-space body manifestation in 4-space
- 85 complete structural expression of dimensional
domain within solid dimensional 5 axes frame
- $H^5 : 10B^4, H^4 : 8B^3, 10 \times 8 = 80, 5 \text{ solid domains is set up of } 3 \times 5 \text{ cubes total } 85 \text{ cubes expression}$



Text Syllable split

SN	i	ii	iii	iv	v	vi	vii	viii
L	या	व	दू	नं	ता	व	दू	नम् ।

Transition from Ganita Upsutra 6 to Ganita Upsutra 7

Sathpatya format feature of Ganita Upsutra 6

- 2 Dimonad unit of transcendental domain
= 3 + 5, super imposition of solid order upon
transcendental domain
- 8
- 18 = H5, 5-space body manifestation in 4-space
- 85 complete structural expression of dimensional
domain within solid dimensional 5 axes frame
- $H^5 : 10B^4, H^4 : 8B^3, 10 \times 8 = 80, 5 \text{ solid domains is set up of } 3 \times 5 \text{ cubes total } 85 \text{ cubes expression}$



Sathpatya format feature of Ganita Upsutra 7

- 5** Transcendental unit, 1 as 5 and 5 as 1
- 16** $5 + 6 + 5$, self referral (6-space) origin of 5-space splits
5-space domain into a pair of 5-space domains
- 37** $= H5 + h5$, a sathapatya of 6-space origin of 5-space
- 140** $= 14 \times 10$; $A^5 : 10 B^4$, Hyper cube 4 is of four folds (2, 3, 4, 5) of summation value 14, 10 creative boundary components make a set up of 140 structural components



8

Ganita Upsutra 7 and 8

Ganita Sutra 7	संकलनव्यवकलनाभ्याम् ।	1	10	24	85
Ganita Upsutra 7	यावदूनं तावदूनीकृत्य वर्गं च योजयेत् ।	5	16	37	140
Ganita Sutra 8	पूरणापूरणाभ्याम् ।	1	6	16	68
Ganita Sutra 9	चलनकलनाभ्याम् ।	1	7	16	56
Ganita Upsutra 8	अन्त्ययोर्दशके ऽपि ।	1	7	16 (17)	50 (51)
Ganita Sutra 10	यावदूनम् ।	1	4	9	41

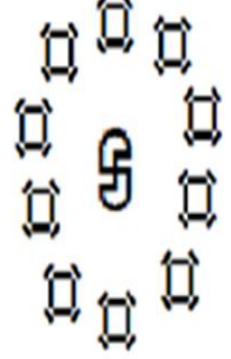
Ganita Sutra 7

Sathapatya format feature



Ganita Upsutra 7

- 5** Transcendental unit, 1 as 5 and 5 as 1
- 16** $5 + 6 + 5$, self referral (6-space) origin of 5-space splits
5-space domain into a pair of 5-space domains
- 37** $=H5 + h5$, a sathapatya of 6-space origin of 5-space
- 140** $= 14 \times 10$; $A^5 : 10 B^4$, Hyper cube 4 is of four folds (2, 3, 4, 5) of summation value 14, 10 creative boundary components make a set up of 140 structural components



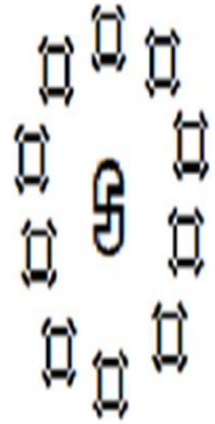
Text syllable split

1	2	3	4		5	6	7	8	9	10		11	12		13		14	15	16
या	व	दू	नं		ता	व	दू	नी	कृ	त्य		व	र्ग		च		यो	ज	येत्।
1	2	3	4		1	2	3	4	5	6		1	2		1		1	2	3

Transition from Ganita Upsutra 7 to Ganita Upsutra 8

Sathapatya format feature of Ganita Upsutra 7

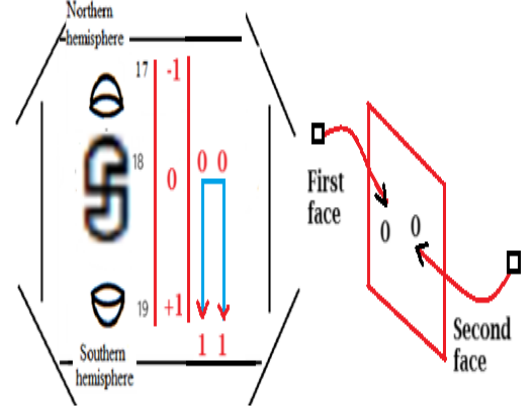
- 5** Transcendental unit, 1 as 5 and 5 as 1
- 16** $5 + 6 + 5$, self referral (6-space) origin of 5-space splits
5-space domain into a pair of 5-space domains
- 37** $=H5 + h5$, a sathapatya of 6-space origin of 5-space
- 140** $= 14 \times 10$; $A^5 : 10 B^4$, Hyper cube 4 is of four folds (2, 3, 4, 5) of summation value 14, 10 creative boundary components make a set up of 140 structural components



Sathapatya format feature of Ganita Upsutra 8

1 Transcendental unit
 7 7-space of transcendental (5-space) order
 16 (17) $16 = 5 + 6 + 5$, 6-space origin of 5-space splits 5-space domain into a pair of 5-space domains
 $17 = 18 \cdot 1$ and $19 = 18 + 1$,

50 (51) TCV (Sunya) = 18, Sunya at middle of the set up, middle / Madhya, TCV (Madhya) = 19, TCV (Eknovinshayati) = 50
 $51 = 3 \times 17$, 17 as dimension, pair of dimensions (17, 17) synthesised as 19, $(17 + 19)$ is 36 is $18 + 18$, Sunya + Sunya a pair of dimensions of zero order of 2-space. Square is of a pair of faces in 3-space



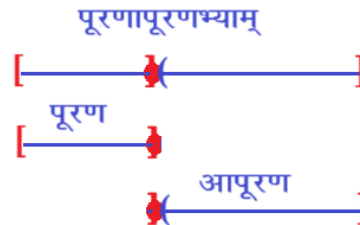
9

Ganita Upsutra 8 and 9

Ganita Sutra 9	चलनकलनाभ्याम् ।	1	7	16	56
Ganita Upsutra 8	अन्त्ययोर्दशकेऽपि ।	1	7	16 (17)	50 (51)
Ganita Sutra 10	यावदूनम् ।	1	4	9	41
Ganita Upsutra 9	अन्त्ययोरेव ।	1	5	11	40

Ganita Sutra 8

Sathapatya format feature



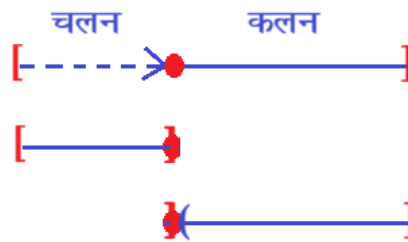
10

Ganita Upsutra 9 and 10

Ganita Sutra 10	यावदूनम् ।	1	4	9	41
Ganita Upsutra 9	अन्त्ययोरेव ।	1	5	11	40
Ganita Sutra 11	व्यष्टिसमष्टिः ।	1	5	14	58
Ganita Upsutra 10	समुच्चयगुणितः ।	1	7	16	56

Ganita Sutra 9

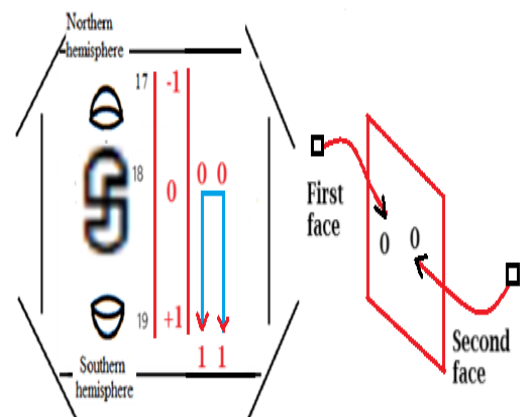
Sathapatya format feature



Ganita Upsutra 8

1 Transcendental unit
 7 7-space of transcendental (5-space) order
 16 (17) $16 = 5 + 6 + 5$, 6-space origin of 5-space splits 5-space domain into a pair of 5-space domains
 $17 = 18 \cdot 1$ and $19 = 18 + 1$,

50 (51) TCV (Sunya) = 18, Sunya at middle of the set up, middle / Madhya, TCV (Madhya) = 19, TCV (Eknovinshayati) = 50
 $51 = 3 \times 17$, 17 as dimension, pair of dimensions (17, 17) synthesised as 19, $(17 + 19)$ is 36 is $18 + 18$, Sunya + Sunya a pair of dimensions of zero order of 2-space. Square is of a pair of faces in 3-space



Text syllable split

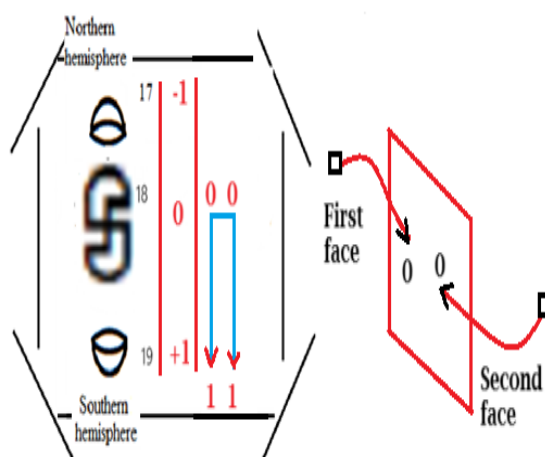
1 2 3 4 5 6 7

अ न्त्य यो र्द श के ऽपि ।

Transition from Ganita Upsutra 8 to Ganita Upsutra 9

Sathpatya format feature of Ganita Upsutra 8

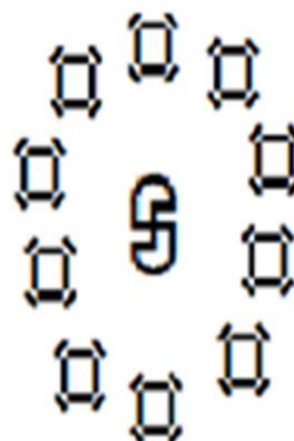
- 1 Transcendental unit
 7 7-space of transcendental (5-space) order
 16 (17) $16 = 5 + 6 + 5$, 6-space origin of 5-space splits 5-space domain into a pair of 5-space domains
 $17 = 18 - 1$ and $19 = 18 + 1$,
 50 (51) TCV (Sunya) = 18, Sunya at middle of the set up, middle / Madhya, TCV (Madhya) = 19, TCV (Eknovinshayati) = 50
 $51 = 3 \times 17$, 17 as dimension, pair of dimensions (17, 17) synthesised as 19, $(17 + 19)$ is 36 is $18 + 18$, Sunya + Sunya a pair of dimensions of zero order of 2-space. Square is of a pair of faces in 3-space



Sathpatya format feature of Ganita Upsutra 9

- 1 Transcendental unit
 5 Transcendental domain TCV (Rik) = 5
 11 G_{11}^5 Synthesis of pair of linear transcendental ranges, TCV (Yajur) = 11. There are $11 = 3 + 8$.
 40 TCV (Triya) = 8 TCV (Asht) = 11
 $A^5 : 10 B^4, 4 \times 10 = 40$
 $5 \times 8 = 40 = 4 \times 10 = 2 \times 20, 1 \times 40$
 $10 = 5 + 5, 4 + 6, 3 + 7, 2 + 8, 1 + 9, 0 + 10$

note Ganita Upsutra 8 has prominent working rule that the end value be 5 and $5 + 5 = 10$. The prominent working rule of Upsutra 9 is that sum of the end values be 10 i.e. $5 + 5, 4 + 6, 3 + 7, 2 + 8, 1 + 9, 0 + 10$



11

Ganita Upsutra 10 and 11

Ganita Sutra 11	व्यष्टिसमष्टिः ।	1	5	14	58
Ganita Upsutra 10	समुच्चयगुणितः ।	1	7	16	56
Ganita Sutra 12	शेषाण्यङ्केन चरमेण ।	2	8	20	76
Ganita Upsutra 11	लोपनस्थपनाभ्याम् ।	1	7	17	66

Ganita Sutra 10

Sathapatya format feature



Ganita Upsutra 9

1 Transcendental unit

5 Transcendental domain TCV (Rik) = 5

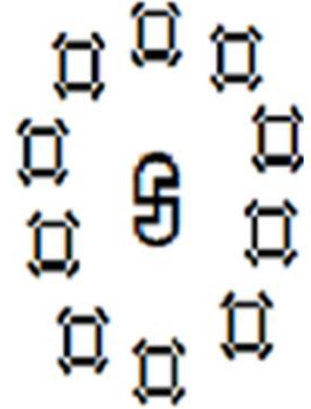
11 G_{11}^5 Synthesis of pair of linear transcendental ranges, TCV (Yajur) = 11. There are $11 = 3 + 8$.
40 TCV (Triya) = 8 TCV (Asht) = 11

$A^5 : 10 B^4, 4 \times 10 = 40$

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note Ganita Upsutra 8 has prominent working rule that the end value be 5 and $5 + 5 = 10$. The prominent working rule of Upsutra 9 is that sum of the end values be 10 i.e. $5 + 5, 4 + 6, 3 + 7, 2 + 8, 1 + 9, 0 + 10$



Text syllable split

1	2	3	4	5
अ	न्त्य	यो	रे	व।

Transition from Ganita Upsutra 9 to Ganita Upsutra 10

Sathpatya format feature of Ganita Upsutra 9

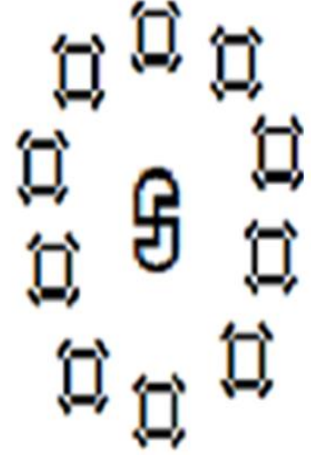
1 Transcendental unit

5 Transcendental domain TCV (Rik) = 5

11 G_{11}^5 Synthesis of pair of linear transcendental ranges, TCV (Yajur) = 11. There are 11 = 3 + 8.
40 TCV (Triya) = 8 TCV (Asht) = 11

$A^5 : 10 B^4, 4 \times 10 = 40$
 $5 \times 8 = 40 = 4 \times 10 = 2 \times 20, 1 \times 40$
 $10 = 5 + 5, 4 + 6, 3 + 7, 2 + 8, 1 + 9, 0 + 10$

note Ganita Upsutra 8 has prominent working rule that the end value be 5 and $5 + 5 = 10$. The prominent working rule of Upsutra 9 is that sum of the end values be 10 i.e. $5 + 5, 4 + 6, 3 + 7, 2 + 8, 1 + 9, 0 + 10$



Sathpatya format feature of Ganita Upsutra 10

Within spatial order creators space, the creative order creates self referral domain and a unique Sathapatya format of features of unison of 4-space and 6-space emerges. $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$, $(2) 4 = (4) 2$

$1 + 2 + 3 = 6 = 1 \times 2 \times 3 = 2 + 2 + 2 = 3 + 3$ and in reverse orientation $(-1, -2, -3)$ is $(-6) = (-1) \times (-2) \times (-3) = (-2) \times (-2) \times (-2) = (-3, -3)$, synthesis of triple axes of same order are of synthesised value 6. The split of transcendental domain into a pair of hemispheres in creator's space of placement values (17, 19) as of a format $(-1, 0, 1)$ on reversal of orientation is of the format of $(2, 0)$ and $(-2 \text{ and } 0)$.

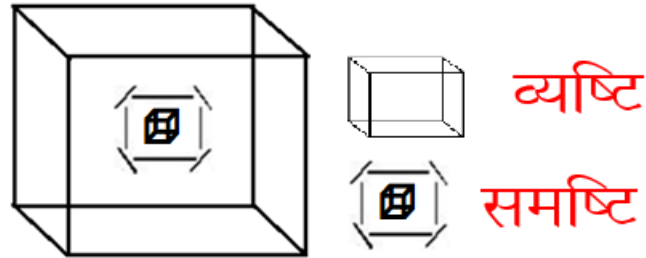
12

Ganita Upsutra 11 and 12

Ganita Sutra 12	शेषाण्यङ्केन चरमेण ।	2	8	20	76
Ganita Upsutra 11	लोपनस्थपनाभ्याम् ।	1	7	17	66
Ganita Sutra 13	सोपान्त्यद्वयमन्त्यम्	1	7	20	80
Ganita Upsutra 12	विलोकनम् ।	1	4	09	41

Ganita Sutra 11

Sathapatya format feature



Ganita Upsutra 10

Within spatial order creators space, the creative order creates self referral domain and a unique Sathapatya format of features of unison of 4-space and 6-space emerges. $4 = 2 + 2 = 2 \times 2 = (-2) \times (-2)$, $(2) 4 = (4) 2$

$1 + 2 + 3 = 6 = 1 \times 2 \times 3 = 2 + 2 + 2 = 3 + 3$ and in reverse orientation $(-1, -2, -3)$ is $(-6) = (-1) \times (-2) \times (-3) = (-2) \times (-2) \times (-2) = (-3, -3)$, synthesis of triple axes of same order are of synthesised value 6. The split of transcendental domain into a pair of hemispheres in creator's space of placement values (17, 19) as of a format $(-1, 0, 1)$ on reversal of orientation is of the format of (2, 0) and (-2 and 0).

Text syllable split

1	2	3	4	5	6	7
स	मु	च्च	य	गु	णि	तः

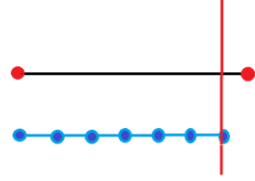
13

Ganita Upsutra 12 and 13

Ganita Sutra 12

Sathapatya format feature

Ganita Sutra 12	शेषाण्यङ्केन चरमेण ।	2	8	20	76
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श ए ष आ ण् य अ ङ् क ए न अ TCV (श ए ष आ ण् य अ ङ्) = 30 2 6 6 2 7 1 1 5 TCV (क ए न अ) = 7 + 9 1 6 8 1 The first word of text (शेषाण्यङ्केन) ram ises a question (केन) , as to what is 'शेषाण्यङ्'? Second word of the text (चरमेण) is the answer, as that it is H8, 8-space body. Which of its own transforms itself from linear order to spatial order to solid order	
च अ र अ म ए ण अ । TCV (च अ र अ म ए ण अ ।) = 30 = H8 2 1 3 1 9 6 7 1	

Ganita Upsutra 11

From sequential step rule of Ganita Sutra 1 together with symmetry rule of Ganita Upsutra 1, a unified rule of following the form sequentially step by as the form is framed, with its perfection perfects the intelligence and transform it in wisdom where simply by observation (viloknam), all what is disappearing and all that is reappearing follows naturally. It is blissful to comprehend that our four fold ultimate support (antakaran) (अन्तकरणः मन बुद्धि, चित अहंकार), formulations of TCV values $TCV (मन) = 19 = TCV (ध्रुव)$, $TCV (बुद्धि) = TCV (विष्णु)$, $TCV (चित) = 13 = TCV (सूर्य)$, $TCV (अहंकार) = TCV (जन्म)$ together $19 + 25 + 13 + 23 = 80 = 20 \times 4 = 10 \times 8 = D22$, $22 = H7$, 7-space. All these features unify the wisdom for reach at basis base mathematics of existence phenomenon in its entirety and particularly existence phenomenon of universe and existence phenomenon within human frame and likewise whole range of existence phenomenon. It is a blissful state unfolding from within.

1 2 3 4 5 6 7
लो प न स्थ प ना भ्याम्।

14 Ganita Upsutra 13

Ganita Sutra 14	एकन्यूनेन पूर्वेण ।	2	8	17	80
Ganita Upsutra 13	गुणितसमुच्चयः समुच्चयगुणितः ।	2	14	32	112
Ganita Sutra 15	गुणितसमुच्चयः	1	7	16	56
Ganita Sutra 16	गुणकसमुच्चयः ।	1	7	16	52

Ganita Sutra 13

Sathapatya format feature

Hyper cube	Figure	
1	—	$A^1 : B^0$
2	□	$A^2 : 4B^1$
3	⊞	$A^3 : 6B^2$
4	⊞⊞	$A^4 : 8B^3$
5	⊞⊞⊞	$A^5 : 10B^4$
6	(⊞⊞)	$A^6 : 12B^5$
7	⊞⊞⊞⊞	$A^7 : 14B^6$

Ganita Upsutra 12

Text syllables split

1	2	3	4
वि	लो	क	नम् ।

Ganita Upsutra 13

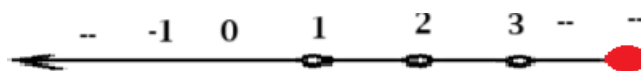
Text syllables split

1	2	3	4	5	6	7		8	9	10	11	12	13	14
गु	णि	त	स	मु	च्च	यः		स	मु	च्च	य	गु	णि	तः ।
1	2	3	4	5	6	7		1	2	3	4	5	6	7



Ganita Sutra 14

Sathapatya format feature

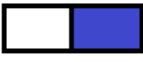
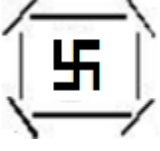


Ganita Sutra 15

Ganita Sutra 15	गुणितसमुच्चयः	1	7	16	56
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Sathapatya feature		$h \frac{1}{2}$	$h 2$	D6	D16
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Sathapatya format feature

 Dimonad 2 as 1		2^4	Spatial order Dimensional Frame
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Ganita Sutra 16

Ganita Sutra 16	गुणकसमुच्चयः ।	1	7	16	52
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Sathapatya feature		$h \frac{1}{2}$	$h 2$	D6	D15
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Sathapatya format feature

		$15 = 3 \times 5$	Solid order dimensional frame
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Conclusion

From sequential step rule of Ganita Sutra 1 together with symmetry rule of Ganita Upsutra 1, a unified rule of following the form sequentially step by as the form is framed, with its perfection perfects the intelligence and transform it in wisdom where simply by observation (viloknam), all what is disappearing and all that is reappearing follows naturally. It is blissful to comprehend that our four fold ultimate support (antakaran) (अन्तकरणः मन बुद्धि, चित अहंकार), formulations of TCV values $TCV (मन) = 19 = TCV (ध्रुव)$, $TCV (बुद्धि) = TCV (विष्णु)$, $TCV (चित) = 13 = TCV (सूर्य)$, $TCV (अहंकार) = TCV (जन्म)$ together $19 + 25 + 13 + 23 = 80 = 20 \times 4 = 10 \times 8 = D22$, $22 = H7$, 7-space. All these features unify the wisdom for reach at basis base mathematics of existence phenomenon in its entirety and particularly existence phenomenon of universe and existence phenomenon within human frame and likewise whole range of existence phenomenon. It is a blissful state unfolding from within.

Existence phenomenon is of compactified five folds and as such the chase as per values and features of Ganita Sutras and Upsutras, one may be blissfully face to face with all compactified folds of existence phenomenon, in its entirety.

07-06-2025

Dr. S. K. Kapoor