

Phase 10
Formatted Existence Phenomenon

Phase 10.2
Vyakaran Vedanga व्याकरण वेदाङ्ग
– Preliminary

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Preliminary

1. Vedas

1. Composed Ved (Vedic values), has reached us, and is available, as :

(i) Samhita (ii) Brahman (iii) Arynika (iv) Upanishad

Vedas are four.

(i) Rigved (ii) Yajurved (iii) Samved (iv) Atharaved

Parallel there are four upvedas

(i) Ayurved (ii) Dhanurved (iii) Gandharaved (iv) Sathapatya ved

There are six Upangas

(i) Shiksha (ii) Vyakara (iii) Niruakt (iv) Chand (v) Jyotish (vi) Kalap

Panini Ashtadhyayi (Sutras) is the principle scripture of Vyakaran

Vedanga. It is first of five Updeshas : (i) Sutras, (ii) Dhatupaat (iii)

Ganpaat (iv) Stri Prayataya (v) Unaaadi

2 Table of Padawise Sutras of Ashtadheyeya text

Each of eight Adheyeyas of sutras is of four padas. Padas wise sutras table is as under :-

PADAWISE SUTRAS OF				
PANINI'S ASHTADHAYAYI				
Chapter	PADA	SUTRAS	Sutras	Total Sutras
1	1.1	74	74	349
2	1.2	73	147	
3	1.3	93	240	
4	1.4	109	349	
5	2.1	71	420	267
6	2.2	38	458	
7	2.3	73	531	
8	2.4	85	616	
9	3.1	150	766	631
10	3.2	188	954	
11	3.3	176	1130	
12	3.4	117	1247	
13	4.1	176	1423	630
14	4.2	144	1567	
15	4.3	166	1733	
16	4.4	144	1877	
17	5.1	135	2012	554
18	5.2	140	2152	
19	5.3	119	2271	
20	5.4	160	2431	
21	6.1	217	2648	728
22	6.2	198	2846	
23	6.3	138	2984	
24	6.4	175	3159	
25	7.1	103	3262	437
26	7.2	118	3380	
27	7.3	119	3499	
28	7.4	97	3596	
29	8.1	74	3670	369
30	8.2	108	3778	
31	8.3	119	3897	
32	8.4	68	3965	
Grand Total			3965	3965

3. Sequential organization from Sutra 1 to Sutra 3965

Ashtadhyayi Sutras are 3965, sequentially composed from Sutra – 1 of 1.1, of first pada of first adhayeya, of sequential reach uptill last 68th Sutra of 8.4, fourth pada of eight adhayeya. In Vilom karam (opposite orientation),

the reach is to be from Sutra 8.4.68 to 1.1.1. The composition of 32 padas is of organization, as of first phase of '29' padas, chapter / adhayeya 1 to first pada of adhayeya 8, followed by '3' padas, padas 2 to 4 of adheyaya 8. First Sutra of 8.2 is

8.2.1 'पूर्वत्रासिद्धम् ॥'.

The simple translation of it is, as is given by Srisa Chandra Vasu book vol 2) :

“Whatever will be taught hereafter, upto the end of the work, is to be considered as not taken effect, in relation to the application of a preceeding rule.

This phased feature of value $32 = 29 + 3$, is as per the Yoga sequential chase rule:

सोपक्रम / Sopkram

TCV (सोपक्रम) = 16 + 13

आदि (16), अन्त (13), संहिता = (16, 15, 14, 13)

16 origin fold, 15 domain fold, 14 boundary fold, 13 dimension fold of hyper cube 15. The summation value of four folds (16, 15, 14, 13) is $29 + 29$, parallel with numbers range '1 to 29' being of '57' factors, '28' more than '29'.

The first phase reach uptill 29 padas and second phase reach of 3 padas is parallel with $16 - 13 = 3$, feature of Soapkaram. Both first and second phases are of distinct values step, as per distinct systems of distinct axioms and postulates. This chase, as such is the chase of whole Domain (समष्टिः / Samashti / complete scripture) as synthesis of specific (व्यष्टि / Vyashti / part) domains.

Second phase, as of three padas, begins unfolding, as per rule of Sutra 8.2.1:

8.2.1 'पूर्वत्रासिद्धम् ॥'.

Padas 8.2 to 8.4 are of Sutras 108, 118 and 68. The value $108 = 4 \times 27$ is parallel with all 108 Charan / quarters of 27 Nakashtras. Value $119 = 7 \times 17$, parallel with 7-space origin of 6-space unfolding as 7 streams reach of northern hemisphere of value '17'. The value '68' is parallel with TCV (पृथिवि, आप, अग्नि, वायु, आकाश = 68 = TCV (पञ्चमहाभूतः/Panch Mahabhut) = 68. It accepts organization $68=4 \times 17$.

Within 4-space, 5-space is at '0 value state at origin seat'. And it unfolds its four folds (0, 1, 2, 3) of Hyper cube 2 Sathapatya, parallel with spatial order of 4-space.

Hyper cube 5 is manifestation of four folds (3, 4, 5, 6) of summation value 18, parallel with TCV (शून्य / Suniya / Zero) = 18.

- 4. TCV (शून्य / Sunya / Zero) = 18, is a formulation which is of Sathapatya of $12 + 15 = 27 = 27$ Nakashtras. The base cyclics are 12 of total phases value 112 and cyclic frequency are 15 of total phases value 40. The grand total of all 27 cyclic phases is 152.**

(a) Cyclic format of formulation (शून्य / Sunya / Zero)

C1 = Cyclic phases, C2 = Base cyclic phases 1 to 12 and cyclic frequency phases 1 to 15, C3 = The cyclic phases step wise values C4 = Step wise summation value, C5 = Phase wise summation value of base cycle 1 to 12 and cyclic phases frequency 1 to 15, C6 = Grand summation value of cyclic phases 1 to 27

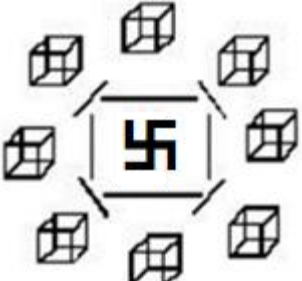
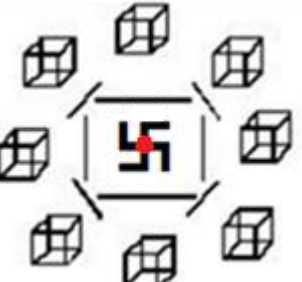
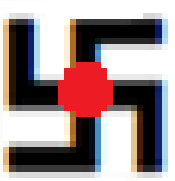
(शून्य / Sunya / Zero)

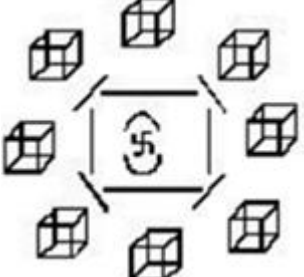
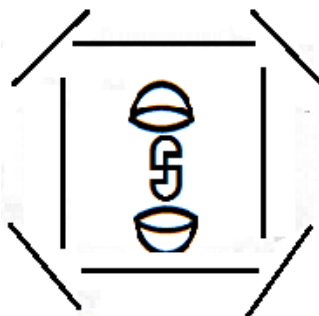

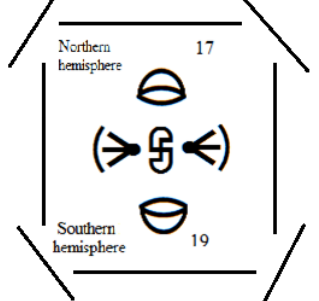
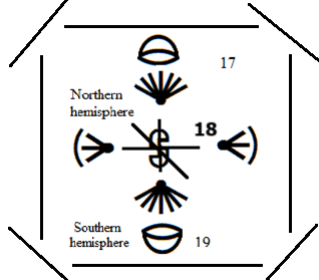
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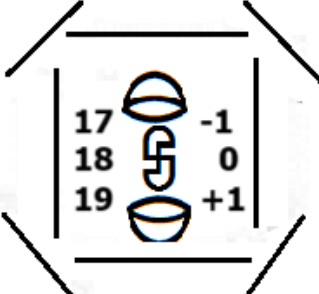
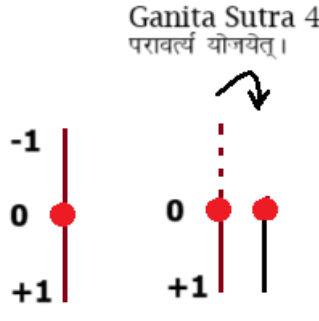

TCV 2 6 8 1 1

C1	C2	C3					C4	C5	C6
1	1	2	6	8	1	1	18	18	18
2	2	4	2	7	0	1	14	32	32
3	3	2	5	7	1	3	18	50	50
4	4	3	2	6	2	1	14	64	64
5	5	1	4	4	1	2	12	76	76
6	6	3	0	3	1	1	8	84	84
7	7	3	3	2	0	2	10	94	94
8	8	0	1	2	2	1	6	100	100




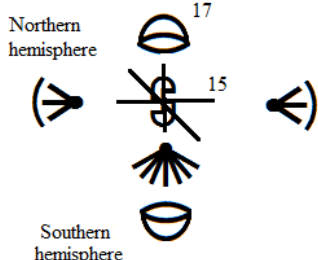

9	9	1	1	0	1	1	4	104	104
10	10	0	1	1	0	0	2	106	106
11	11	1	0	1	0	0	2	108	108
12	12	1	1	1	0	1	4	112	112
13	1	0	0	1	1	0	2	2	114
14	2	0	1	0	1	0	2	4	116
15	3	1	1	1	1	0	4	8	120
16	4	0	0	0	1	1	2	10	122
17	5	0	0	1	0	1	2	12	124
18	6	0	1	1	1	1	4	16	128
19	7	1	0	0	0	1	2	18	130
20	8	1	0	0	1	0	2	20	132
21	9	1	0	1	1	1	4	24	136
22	10	1	1	0	0	0	2	26	138
23	11	0	1	0	0	1	2	28	140
24	12	1	1	0	1	1	4	32	144
25	13	0	1	1	0	0	2	34	146
26	14	1	0	1	0	0	2	36	148
27	15	1	1	1	0	1	4	40	152

SN	Sathapatya	Values format Sathapatya	
1		(i) H^4 (ii) $A^4:8B^3$ (iii) $8 \times 4 = 32$ (iv) (2, 3, 4, 5) (v) 2-space (spatial dimension fold). (vi) 3-space (solid boundary) (vii) 4-space (creative domain) (viii) 5-space (transcendental origin fold)	
2			(i) 5-space within 4-space is of zero value state at origin of 4-space. (ii) 5-space manifestation sequentially unfolds at the origin seat of 4-space, initially as (0, 1, 2, 3,) and then as (1, 2, 3, 4), (2, 3, 4, 5), (3, 4, 5, 6) (4, 5, 6, 7) and (5, 6, 7, 8)

3		<p>(i) Hyper cube 5 is of four folds (3, 4, 5, 6) of summation value 18</p> <p>(ii) 3-space (solid dimension fold)</p> <p>(iii) 4-space (creative boundary fold).</p> <p>(iv) 5-space (Transcendental domain fold)</p> <p>(v) 6-space (Self Referral origin fold)</p>
4		<p>The manifestation within 4-space is of four layers. Firstly the outer most layer splits within spatial order, 4-space, 5-space domain splits and manifests as northern hemisphere and southern hemisphere. This split of parallel features of outer skin (केचुली Kethuli of Naa.g (serpant) splits out</p>
5		<p>Further, the second layers split is at origin seat of 4-space but within 6-space as origin of 5-space</p>
6		<p>The second layer split is of northern hemisphere of value 17 and southern hemisphere of value 19. $17 + 19 = 36 = 6^2 = 18 + 18$, parallel with pair of 0-space axes of 2 space. This as such is the manifestation of surface of two faces within 3-space, being dimension fold of 5-space of 6-space origin.</p>
7		<p>7-space is origin of 6-space. It transcends out as 7 streams flow into northern hemisphere and of 7 streams flow into southern hemisphere. The transcendental content flow value within northern hemisphere becomes $7 \times 17 = 119$ values spectra.</p>

8		<p>TCV (शून्य / Sunya / Zero) = 18. Sutra 1 (एकाधिकेन पूर्वेण) = $18 + 1 = 19$ Sutra 14 (एकन्यूनेन पूर्वेण) = $18 - 1 = 17$</p>
9	<p>Ganita Sutra 4 परावर्त्य योजयेत्।</p> 	<p>$19 - 17 = 2$ TCV (परावर्त्य) = 27 TCV (योजयेत्) = 25 $27 - 25 = 2$</p> 

5. Vedic Ganita Sutras Application as basis base mathematics

Sutra	Text	Letters	Features	TCV
1	एकाधिकेन पूर्वेण।	$9 + 7,$	$(7, 7) = (9),$	$4 + 34 = 68$
				
2	निखिलं नवतश्चरमं दशतः	$7 + 14 + 7$	$(7 + (7 + 7) + 7)$	$28 + 50 + 29 =$
				
				
3	ऊर्ध्वतिर्यग्भ्याम्	15	$2 \times 7 + 1$	$23 + 11 + 20 =$
				
4	परावर्त्य योजयेत्।	$10 + 7$		$27 + 25 =$
				

11	<p>A⁷:14B⁶</p>	
12	<p>A⁷:14B⁶</p>	

Sutra	Text	Letters	Features	TCV
1	एकाधिकेन पूर्वेण ।	9 + 7	(7, 7) = (9)	34 + 34 = 68
2	निखिलं नवतश्चरमं दशतः	7 + 14 + 7	(7 + (7 + 7) + 7)	28 + 50 + 29 =
3	ऊर्ध्वतिर्यग्भ्याम्	15	2 x 7 + 1	23 + 11 + 20 =
4	परावर्त्य योजयेत् ।	10 + 7		27 + 25 =
5	शून्यं साम्यसमुच्चये	TCV (शून्य / Sunya / Zero) = 18		

<p>Sathapatya of Pada 4 of Adheya 8</p> <p>(i) Sutras 68 (ii) 68 = 4 x 17</p> <p>(iii) TCV (पृथिवि, आप, अग्नि, वायु, आकाश) = 68 = TCV</p> <p>(पञ्चमहाभूतःव/Panch Mahabhut) = 68</p>	<p>सूर्य</p> <p>आकाश</p> <p>वायु</p> <p>अग्नि</p> <p>आप</p> <p>पृथिवि</p>	<p>□</p> <p>↓</p> <p>68</p>	<p>Transcendental content flow ladder is of 68 steps; each step is characteristically of distinct phase and stage of flow. It is like a domain with bounds '0' and '1', as a first step; 1 to 2 as a second step and so on. The flow</p>
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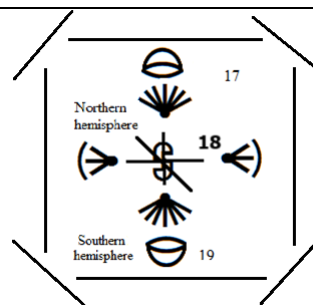
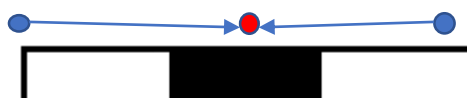
		<p>continuity is there but it is phased, as a whole domain synthesized as of distinct parts of distinct systems of distinct axims and postules.</p>
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Sathapatya of Pada 3 of Adheya 8

(i) Sutras 119 (ii) $119 = 7 \times 17$
 (iii) TCV (द्रव्य/ Dravya / Content)=17
 (सप्त / Sapt / Seven)
 TCV (सप्त /Sapt / Seven) = $14 = 7 + 7$.

7-space is origin of 6-space. It transcends out as 7 streams flow into northern hemisphere and of 7 streams flow into southern hemisphere. The transcendental content flow value within northern hemisphere becomes $7 \times 17 = 119$ values spectra

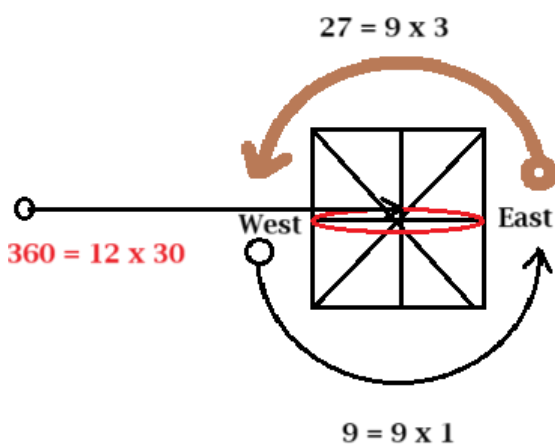
$7 + 14 + 7 (7 + (7 + 7) + 7) 28 + 50 + 29 =$



The trasncendental content spectra of value 119 is a 119 steps ladder. These steps, a constituents of whole spectra domain, are characteristics distincts amongst themselves, as well as of 68 steps ladder of Pada 4 of Adheyeya 8 and alo of 108 steps ladder of pada 2 of Adheyeya 8.

Sathapatya of Pada 2 of Adheya 8

(i) Sutras 108 (ii) $108 = 27 \times 4$
 There are 27 Nakashtras, of 4 quarters each. In cosmos, these nakshtras stand organized as of progression from east to west, while 9 planets motions are from west to east. These opposite orientations, result into transcendental content manifestations in 12 rashis.



Nakshtras are $27 = 9 \times 3$
 Planets are $9 = 9 \times 1$

<p>There are 12 Rashis, each of 30 degrees. $12 \times 30 = 360$. $108 = 12 \times 9$ $360 = 295 + 65$ $65 = 5 \times 13$ $5 = \mathbf{G}_5^2$, $13 = \mathbf{G}_{13}^6$ 2-space is spatial dimension Sathapatya of 4-space and 4-space is creative dimensional Sathapatya of 6-space.</p>	<p>TCV (एक ek / one) = 8 = TCV (त्रय / Trya / Three) = 8</p> <p>Ladder of 108 steps of content flow manifesting as 108 Sutras of Pada 2, Adheya 8 are of distinct axioms and postulates, amongst themselves as well as from ladder steps of Pada 3 and pada 4 of Adheya 8 of Ashtadhyeya.</p>
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6. In the light of this Preliminary, the Sathapatya of Ashthadhyeya is going to be chased in the following PDF documents 10.3 onwards.

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08-03-2025