

## Properties correction coefficients of days and hours, allowing to calculate codes extraordinary channels in new ways. Mirror symmetry and architectonics of codes (remainders) extraordinary channels 60-day cycle

**Abstract:** The article describes some of the properties of the coefficients of correction days and hours to allow extraordinary channel calculate codes new methods [1, 26–33]. Is described the property of mirror symmetry and the principle architectonics codes (residues) extraordinary channels 60-day cycle. Submitted of materials allow to reveal the mechanisms underlying biorhythms wonderful channels and do not contradict the traditional view.

**Keywords:** traditional Chinese medicine, acupuncture, reflexotherapy, “extraordinary channels”, points-keys.

**Introduction.** In traditional Chinese medicine (TCM), there is the notion of 8 “Extraordinary Channels” (EC), each of which has a key point — a “cardinal point energy management related to the activities of this “extraordinary channel” [12, 194]. Points-keys are activated in accordance with cyclically repeating biorhythm described in [2, 149–150]. At the heart of all cyclic processes, described in TCM lies cycle binomials. Binomials are binary way of designating a series of numbers from 1 to 60. The first digits in a binomial “heavenly stem” (HS) from 1 to 10, the second — “earthly branch” (EB) from 1 to 12. The combination of HS and EB even pollutants binomials give even numbers, odd combination of HS and EB binomials give odd numbers. Binomials give an idea about all the phenomena described cyclical in nature. It is cyclical “determinant in ancient philosophy China” [11, 18]. After analyzing the role of “heavenly stems” and “earthly branches” binomials hours (60-h. c.) and binomials days (60-d. c.) we managed to propose new ways of calculation of open points-keys of EC [1, 26–33]. In addition to this concept has been proposed differentiation oscillations open codes (remainder) EC 60-d. c. into five types of days according to the chronology of days in 60-h. c. [1, 26–33]. In presented article we describe the properties of the correction coefficients hours CCH (N) and days CCD ( $\Delta$ ), which allows the calculation codes (remainders) EC in new ways, and continued by description of the types of days. In conclusion, the article suggests a model architectonics codes (remainders) EC in terms of differentiation 60-d. c. on the types of days.

**Formulation of the problem.** Correction coefficients days CCD ( $\Delta$ ) and correction coefficients hours CCH (N) allow to make calculations of open codes points — keys EC in new ways. Their distribution in the 60-d. c.

associated with the earthly branches binomials hours and days. Both new calculation methods are interconnected and with the traditional way of mathematically, “that says that the unity of the processes described” [1, 26–33]. New methods differ from traditional described in the canonical work: they allow to look at the 60-c. c. as a holistic phenomenon. The result is the ability to differentiate 60-h. c. and 60-d. c. into five types of days or five types of oscillations codes (remainders) EC. Types days correspond to the chronology of days in the 60-hour or 5-day cycles. This article describes one of the properties types days — mirror symmetry codes (remainders) EC, which was not included in the list of types of the simplest properties of days as described in [1, 26–33]. The article reveals mechanism of constructing codes (remainders) EC from the position of the 60-d. c. differentiation on the types of days. Namely composition fragments codes (remainders) EC. Material presented in this paper reveal mechanisms underlying the ancient concept of biorhythms extraordinary channels and not contrary to traditional view.

### Research results

#### 1. Properties correction coefficients days CCD ( $\Delta$ )

Distribution correction coefficients days CCD ( $\Delta$ ) in the 60-d. c. depends on pollutants binomials days differentiated into five types (see Table. 2). CCD ( $\Delta$ ) of one type prove to be equal to the day of days for which EB are binomials Elemental “Tree” ( $\Delta T$ ) and “Fire” ( $\Delta F$ ), or “Earth” ( $\Delta E$ ) and “Lord of Fire\*” ( $\Delta F^*$ ). Correction coefficient days CCD ( $\Delta$ ), having EB binomials belonging to the element “Metal” ( $\Delta M$ ) over by 1 unit compared with CCD ( $\Delta$ ) days, whose EB binomials are the elements of “Water” ( $\Delta W$ ):

$$\Delta T = \Delta F, \Delta E = \Delta F^*, \Delta M = \Delta W + 1 \quad (1)$$

If all CCD ( $\Delta$ ) positioned on the dial, then these factors will be in opposite phases of pollutants binomials.

This can be represented as well in the form of pentagram (see Fig. 1).

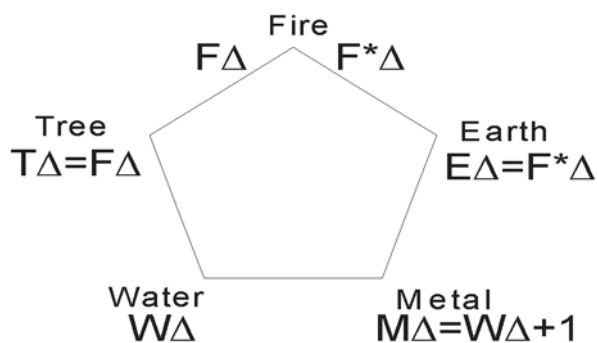


Fig. 1. The correction coefficients days CCD ( $\Delta$ ), corresponding to the respective Elemental earthly branches binomials.

**2. Properties correction coefficients hours CCH (N). Levels of N codes (remainders) EC in the 60 d. c. in accordance with the types of days**

Considering identity of the oscillation coefficients hours (CH) and codes (remainders) EC throughout

the 60-d. c., the offset between the two correction coefficient hours N for each day [1, 31]. Each type of day has seven levels of the offset codes (remainder) EC in relation to oscillation coefficients hours CH, arranged at an interval 1 unit. In Fig. 2 shows all of the levels of N fluctuations codes (remainders) EC 60-d. c. The even days — correspond from 1 to 4 levels of N, odd days — 4<sup>th</sup> (common for odd and even days) to 7 level N (see Table. 2). To each level N corresponds a EB binomial of the day (see Tables 1 and 2): 1<sup>st</sup> level N-binomials days have earthly branches RP6 “ssu” Earth, TR12 «hay» Fire \*; 2<sup>nd</sup> level N-binomials days have earthly branches GI4 “mao” Metal; 3<sup>rd</sup> level of N-EB binomials days R10 “yu” Water; 4<sup>th</sup> level N (even) earthly branches binomials days F2, “chow” Tree and IG8, “wei” Fire; 4<sup>th</sup> level N odd — EB binomials days VB1 “zi” Tree and C7 “u” Fire; 5<sup>th</sup> level of N-EB binomials days P3, “yin” Metal; 6<sup>th</sup> level of N-EB binomial day V9, “shen” Water; 7<sup>th</sup> level of N-earthly branches binomials days ES5, «cheng” Earth, MC11 “hsu” Fire \* (see Fig. 2).

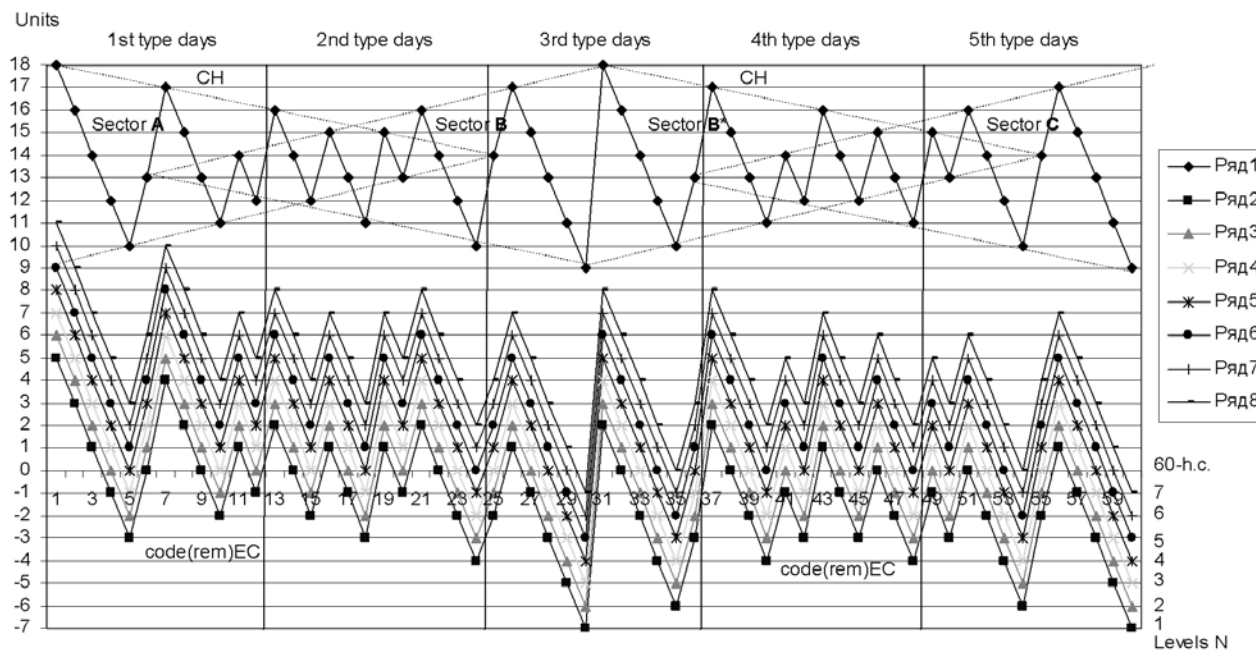


Fig. 2. Levels of N codes (residues) FM 1–5 types

**3. Mirror symmetry codes (remainders) extraordinary channel of 5-day cycles**

Symmetry — this proportionality, constant (invariance) structure material object relative to its transformation. Symmetry is the basis of the conservation laws, ie one of the fundamental physical laws that characterize the a closed system, do not change over time: energy, mass, parity, etc. [5, 1219]. The concept of symmetry has arisen in the ancient world in the study of natural phenomena and in the first person, symmetry has to do such “descriptions of natural phenomena, at

which ... attempted to explain ... the order, beauty and perfection” [3, 191; 6, 78]. From a geometrical point of view the symmetry is “such a transformation of the space (the plane), in which each point M passes in other point M ‘with respect to the plane (or straight) ... and it is divided in half. The (direct) ... thus called plane (axis) of symmetry [3, 191–192; 4, 34–35]. Symmetry “may be cumulated with itself as a result of one or more series of reflection in planes” [4, 34] or “mirror reflection (spatial inversion, reversal), and replacing the time t on -t (time reversal)» [5, 1220].

How is easy to see the oscillation codes (remainders) EC second half of the 60-h. c. it is a symmetric transformation of the first half with the axis of symmetry extending between the hours of hr “ssu” and hr “u” the third day 60 hour cycle (see Table 3). After crossing the axis of symmetry codes (remainders) EC begin to mirror the codes (remainders) EC its first half. Conditionally “time reversal” of the codes (remainders) EC presented by the example of the first 60-hour (5-day) cycle. Similarly, one can submit the rest of the five-day cycles, since the nature of mirror reflection codes (remainders) saved for the whole EC 60-d. c. Thus, after crossing the axis of symmetry at the border hours “ssu” and “u” the third day 60-h. c. wave of codes (remainders) EC starts repeating codes (remainders) EC first 30 hours in the reverse order with mirrored transformation. In the 60-hour cycle of 5<sup>th</sup> day is a reflection

of the 1<sup>st</sup> day, 4<sup>th</sup> — a reflection of the 2<sup>nd</sup> day, and the second half of the third day is a reflection of its first half. However, the codes (remainders) EC have another property — a constant sum of mirrored pairs of codes (remainders) EC all through reflected specularly mirrored days. So, for the first 60-hour cycle sum reflected specularly mirrored codes (remainders)EC of each pair “earthly branches” for the 1<sup>st</sup> and 5<sup>th</sup> days is 7, 2<sup>nd</sup> and 4<sup>th</sup> days is 2, for of both halves 3<sup>rd</sup> day — equal to 3 (see Fig. 3).

Symmetry codes (remainders) EC 60-hour cycle, in our view, suggests the existence of such mechanisms for distributing open source extraordinary channels, which exclude random, unpredictable (stochastic) formation. Symmetry is also a manifestation of the overall balance of all changes codes (remainders) EC and confirms the thesis of equilibrium and order “in the binary model of the world” [7, 100].

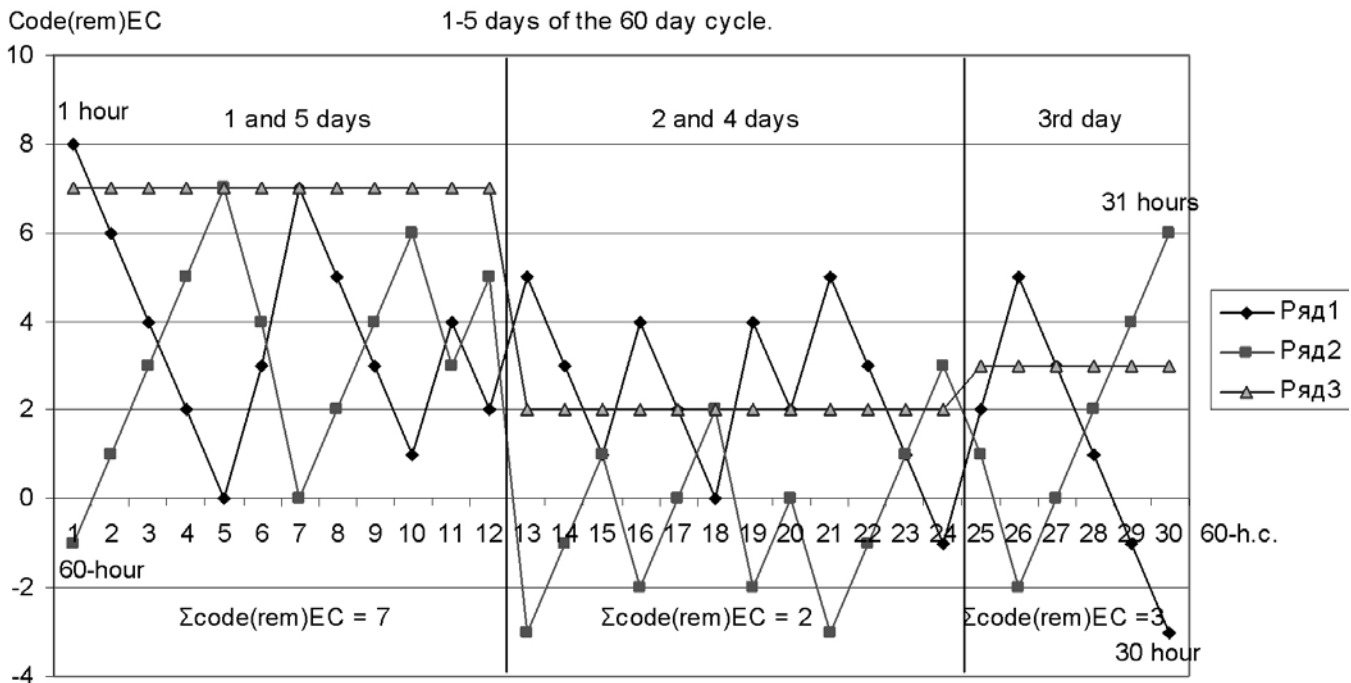


Figure 3. Mirror symmetry codes (remainders) EC first five days of the 60-d. c. Amounts “mirror pairs” codes (remainders) EC.

**4. Architectonics of open codes (remainders) EC of 60-day cycle**

Analyze the structure of distribution codes (remainders) EC of 60-day cycle is possible on the model coefficients hours CH, given their proportionality in relation to the abscissa (time). Diagram coefficients hours CH for 60-hour cycle contains sectors of amplitude of excitation and attenuation.

Identifies 3 sectors (Fig. 4):

1. Sector A- triangle; amplitude attenuation; starts at 1<sup>1/1</sup> hour and attenuates in 25<sup>5/1</sup> hour 60-h. c.

2. Sector (B) — rhomboid, comprising plots of the triangular shape: In the excitation B and attenuation B\* (hereinafter named sectors B and B\*).

Sector B excitation begins in sector A in 6<sup>6/6</sup> hour, passes a stage of development until the mid 60-hour cycle, after which attenuation begins sector B\*, up to 55<sup>5/7</sup> hour.

3. Sector C — triangle; amplitude excitation; begins at sector B\* in 36<sup>6/12</sup> hour.

Each sector (A, B, B\*, C) has a characteristic of him a set of binomials (see Fig. 4).

The illustrated imaginary lines that connect extreme points of the oscillation coefficients hours CN indicate contours sectors A, B, B\* and C. Located within sectors lines parallel to external. All the lines, and inside the external of sectors include points: a, b, c, d, e, a, b ... To each point corresponds to a coefficient of hours (CH) by which you can calculate code (remainder) EC [1]:

$$\text{Code (remainder) EC} = \text{CH} - N, \quad (2)$$

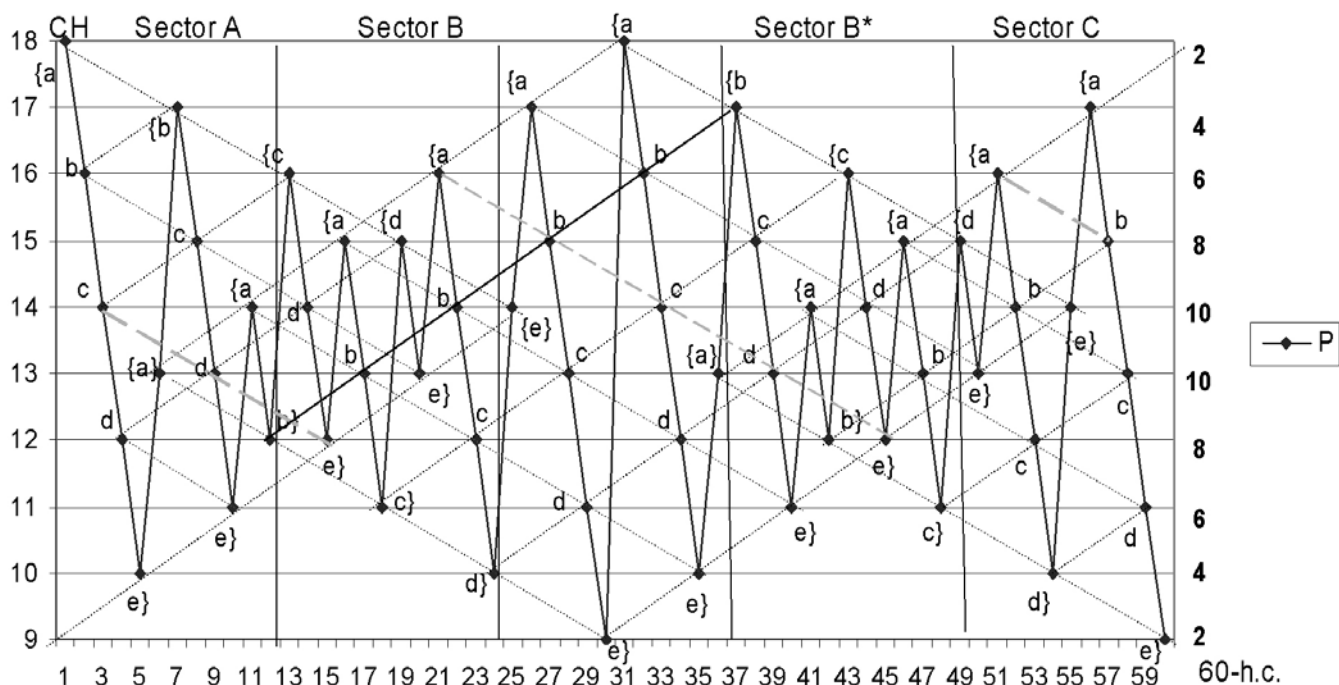


Fig. 4. Differentiation CH 60-h.c. into sectors: A – amplitude attenuation; B – amplitude excitation, B\* – amplitude attenuation; C – amplitude excitation

**Property of sectors:**

1) A sector (triangle) composed of five fragments with the decreasing number of members:

$$\{a, b, c, d, e\} + \{b, c, d, e\} + \{c, d, e\} + \{d, e\} + \{e\} = 15 \text{ codes (remainders) EC.}$$

2) B sector B (rhomb) consists of two parts:

a) B sector B (triangle) — excitation part:

$$\{a\} + \{a, b\} + \{a, b, c\} + \{a, b, c, d\} + \{a, b, c, d, e\} = 15 \text{ codes (remainders) EC;}$$

b) B\*sector B\* (triangle) — attenuation part:

$$\{a, b, c, d, e\} + \{b, c, d, e\} + \{c, d, e\} + \{d, e\} + \{e\} = 15 \text{ codes (remainders) EC.}$$

$$\{a\} + \{a, b\} + \{a, b, c\} + \{a, b, c, d\} + \{a, b, c, d, e\} = 15 \text{ codes (remainders) EC.}$$

3) sector C (triangle) composed of five fragments with the increasing number of members:

$$\{a\} + \{a, b\} + \{a, b, c\} + \{a, b, c, d\} + \{a, b, c, d, e\} = 15 \text{ codes (remainders) EC.}$$

Codes (remainders) EC of 60-days cycle are formed from the bordering sectors depending on their types. The first and second types days are formed from sectors A

and B, fourth and fifth day types are formed from sectors B\* and C, in formation of the third type days take part all sectors. The chronological order of codes (remainders) EC all five types of days belonging to the separate fragments of sectors:

where the N-correction coefficient hour CCH. Analyzing the distribution of codes (remainders) EC of 60 hour cycle, we call attention to the presence of separate fragments of code (remainder) EC, different parity bordering on each other. Each sector contains five fragments codes (remainders) EC, the total sum is equal to 15. The sectors (A, B, B\*, C) as well as fragments of codes (remainders) EC have certain properties.

Type 1<sup>st</sup> days:  
 A {a, b, c, d, e} → B {a} ⊥ A {b, c, d, e} → B {a, b};  
 Type 2<sup>nd</sup> days:  
 A {c, d, e} → B {a, b, c} ⊥ A {d, e} → B {a, b, c, d};  
 Type 3<sup>rd</sup> days:  
 A {e} → B {a, b, c, d, e} ⊥ B\* {a, b, c, d, e} → C {a};  
 Type 4<sup>th</sup> days:  
 B\* {b, c, d, e} → C {a, b} ⊥ B\* {c, d, e} → C {a, b, c};  
 Type 5<sup>th</sup> days:  
 B\* {d, e} → C {a, b, c, d} ⊥ B\* {e} → C {a, b, c, d, e},  
 where: → — transition between fragments in the first and second halves of days,  
 ⊥ — the transition between fragments of the middle days.

Algorithm transition codes (remainders) EC between fragments is considered in section properties of fragments.

**Properties of fragments of codes (remainders) EC**

1) codes (remainders) EC neighboring fragments of one sector are of opposite parity. For example, when  $N=9$  code (remainder)EC allocation in sector A will be fragments of such:

Fragments of Sector A (when  $N=9$ )

{9a 7b 5c 3d 1e}

{8b 6c 4d 2e}

{7c 5d 3e}

{6d 4e}

{5e}

2) The intervals between the points a, b, c, d, e is the difference between codes (remainders) EC, depending on the location of points within the fragment, between the fragments and in the middle of day:

a) the difference between the codes (remainders) EC inside fragments (intervals a-b, b-c, c-d, d-e) equal to minus two (-2);

b) the difference codes (remainders) EC between fragments (except mid-day) in the interval e-a equal to 3 and suggest moving codes (remainders) EC to fragment neighboring sector:  $A \rightarrow B$  or  $B^* \rightarrow C$ ;

c) the difference between the codes (remainders) EC in the middle of the day for 1,2,4 and 5 types of days equal to +4, and 3 types of days equal + 9.

Table 3 shows the scheme of forming fragments of code (remainders) EC 60-h. c.

**Tables**

Table 1. – Seven levels of N oscillations codes (remainders) EC five days and the connection type with the elements earthly branches binomials days

Level N	Element EB binomials days	Type 1 days		Type 2 days		Type 3 days		Type 4 days		Type 5 days	
		Days	CCH (N)	Days	CCH (N)	Days	CCH (N)	Days	CCH (N)	Days	CCH (N)
1	Earth	6 6\6	13	42 2\6	14	18 8\6	16	54 4\6	15	30 10\6	16
	Fire*	36 6\12		12 2\12		48 8\12		24 4\12		60 10\12	
2	Metal	16 6\4	12	52 2\4	13	28 8\4	15	4 4\4	14	40 10\4	15
3	Water	46 6\10	11	22 2\10	12	58 8\10	14	34 4\10	13	10 10\10	14
4	Tree	26 6\2	10	2 2\2	11	38 8\2	13	14 4\2	12	50 10\2	13
	Fire	56 6\8		32 2\8		8 8\8		44 4\8		20 10\8	
	Tree	1 1\1		37 7\1		13 3\1		49 9\1		25 5\1	
	Fire	31 1\7		7 7\7		43 3\7		19 9\7		55 5\7	
5	Metal	51 1\3	9	27 7\3	10	3 3\3	12	39 9\3	11	15 5\3	12
6	Water	21 1\9	8	57 7\9	9	33 3\9	11	9 9\9	10	45 5\9	11
7	Earth	41 1\5	7	17 7\5	8	53 3\5	10	29 9\5	9	5 5\5	10
	Fire*	11 1\11		47 7\11		23 3\11		59 9\11		35 5\11	

Thus, the composition of fragments codes (remainders) EC, as parts of a whole, taking into account the division days into types, determines the architectonics 60-day cycle as a whole.

**Conclusions**

The article presents some properties of the correction coefficients days CCD ( $\Delta$ ) and hours N, allows the calculation of the opening points — keys extraordinary channels in new ways that complement the traditional method described in [2, 149–150]. Also presents some properties of five types of days, which can be in our view, to differentiate 60-day cycle resulting from characteristic distribution codes (remainders) EC for each of 5 days 60-hour cycles. The article discloses mechanisms underlying the oscillations codes (remainders) EC, give an indication of the wonderful channels connection to vibrations, which is exposed to the whole of nature and man is no exception. P. Meriel wrote in the preface to one edition of “Chinese acupuncture”: “According to certain views of relating the essence of the Universe, everything from various worlds and ending Space microscopic particles of an atom — all only a continuous rhythmic motion ...” [9, 8]. In our view, the understanding of the mechanisms underlying the rhythmic activity of the Extraordinary Channels (EC) should reduce distrust of traditional Chinese medicine as a whole [10, 36] and be the answer to “the chorus of negative voices about acupuncture” [8, 116].

Table 2. – Distribution coefficients days CD, correction coefficients days CCD ( $\Delta$ ), the correction coefficient hours CCH (N) and levels of N codes (remainders) EC in the 60-d. c. in accordance with the types of days

EB binomials	VB1 (T)	P3 (M)	E5 (E)	Typ of days	F2 (T)	GI4 (M)	RP6 (E)
Typ of days	C7 (F)	V9 (W)	MC11 (F*)		IG8 (F)	R10 (W)	TR12 (F*)
1VB 1 typ of days: [ES - MC11] = -4	1 1\1 CD=17 CCD=1 N=10 Level N=4	5 1\3 CD=18 CCD=9 (0) N=9 Level N=5	4 1\5 CD=20 CCD=7 N=7 (16) Level N=7	6 RP 1 typ of day: [ES - MC11] = -4	2 6\2 CD=20 CCD=1 (7) N=16 (10) Level N=4	1 6\4 CD=18 CCD=3 N=12 Level N=2	6 6\6 CD=17 CCD=4 N=13 Level N=1
	3 1\7 CD=17 CCD=1 N=10 Level N=4	2 1\9 CD=19 CCD=8 N=8 (17) Level N=6	1 1\11 CD=20 CCD=7 N=7 (16) Level N=7		5 6\8 CD=20 CCD=1 (7) N=16 (10) Level N=4	4 6\10 CD=19 CCD=2 N=11 Level N=3	3 6\12 CD=17 CCD=4 N=13 Level N=1
7GI 2 typ of days: [3P - 9V] = -4	3 7\1 CD=16 CCD=2 N=11 Level N=4	2 7\3 CD=17 CCD=1 N=10 Level N=5	1 7\5 CD=19 CCD=8 N=8 Level N=7	2F 2 typ of days: [3P - 9V] = -4	2 2\2 CD=19 CCD=2 N=11 Level N=4	5 2\4 CD=17 CCD=4 N=13 Level N=2	4 2\6 CD=16 CCD=5 N=14 Level N=1
	7 7\7 CD=16 CCD=2 N=11 Level N=4	5 7\9 CD=18 CCD=9 (0) N=9 Level N=6	4 7\11 CD=19 CCD=8 N=8 Level N=7		3 2\8 CD=19 CCD=2 N=11 Level N=4	2 2\10 CD=18 CCD=3 N=12 Level N=3	1 2\12 1 CD=16 CCD=5 N=14 Level N=1
3IG 3 typ of days: [1VB - 7C] = -4; [6RP - 12TR] = -4.	1 3\1 CD=14 CCD=4 N=13 Level N=4	3 3\3 CD=15 CCD=3 N=12 Level N=5	5 3\5 CD=17 CCD=1 N=10 Level N=7	8P 3 typ of days: [1VB - 7C] = -4; [6RP - 12TR] = -4.	3 8\2 CD=17 CCD=4 N=13 Level N=4	2 8\4 CD=15 CCD=6 (0) N=15 Level N=2	1 8\6 CD=14 CCD=1 (7) N=16 Level N=1
	4 3\7 CD=14 CCD=4 N=13 Level N=4	3 3\9 CD=16 CCD=2 N=11 Level N=6	2 3\11 CD=17 CCD=1 N=10 Level N=7		8 8\8 CD=17 CCD=4 N=13 Level N=4	5 8\10 CD=16 CCD=5 N=14 Level N=3	4 8\12 CD=14 CCD=1 (7) N=16 Level N=1
9 (V+TR) 4 typ of days: [4GI - 10R] = -4	4 9\1 CD=15 CCD=3 N=12 Level N=4	3 9\3 CD=16 CCD=2 N=11 Level N=5	2 9\5 CD=18 CCD=9 (0) N=9 Level N=7	4C 4 typ of days: [4GI - 10R] = -4	1 4\2 CD=18 CCD=3 N=12 Level N=4	4 4\4 CD=16 CCD=5 N=14 Level N=2	5 4\6 CD=15 CCD=6 (0) N=15 Level N=1
	1 9\7 CD=15 CCD=3 N=12 Level N=4	9 9\9 CD=17 CCD=1 N=10 Level N=6	5 9\11 CD=18 CCD=9 (0) N=9 Level N=7		4 4\8 CD=18 CCD=3 N=12 Level N=4	3 4\10 CD=17 CCD=4 N=13 Level N=3	2 4\12 CD=15 CCD=6 (0) N=15 Level N=1
5E 5 typ of days: [2F - 8IG] = -4	2 5\1 CD=14 CCD=4 N=13 Level N=4	1 5\3 CD=15 CCD=3 N=12 Level N=5	5 5\5 CD=17 CCD=1 N=10 Level N=7	10 (R+MC) 5 typ of days: [F - 8IG] = -4	5 0 10\2 CD=17 CCD=4 N=13 Level N=4	4 0 10\4 CD=15 CCD=6 (0) N=15 Level N=2	3 0 10\6 CD=14 CCD=1 (7) N=16 Level N=1
	5 5\7 CD=14 CCD=4 N=13 Level N=4	4 5\9 CD=16 CCD=2 N=11 Level N=6	3 5\11 CD=17 CCD=1 N=10 Level N=7		2 0 10\8 CD=17 CCD=4 N=13 Level N=4	1 0 10\10 CD=16 CCD=5 N=14 Level N=3	6 0 10\12 CD=14 CCD=1 (7) N=16 Level N=1

Table 3. – Scheme of formation fragments codes (remainders) EC 60-h. c.

60-hour cycle	Nhsh	Nebh	CH	Sectors	Codes (rem) EC (in points fragments)	Difference between codes (rem)EC	EB hours	Types days
1	2	3	4	5	6	7	8	9
11/1	9	9	18	A5	{a	----	1VB	1 type days [E5 - MC11] = -4.
22/2	8	8	16		b	-2	2F	
33/3	7	7	14		c	-2	3P	
44/4	6	6	12		d	-2	4GI	
55/5	5	5	10		e}	-2	5E	
66/6	9	4	13	B1	{a}	+3	6RP	
77/7	8	9	17	A4	{b	+4	7C	
88/8	7	8	15		c	-2	8IG	
99/9	6	7	13		d	-2	9V	
1010/10	5	6	11		e}	-2	10R	
111/11	9	5	14		B2	{a	+3	11MC
122/12	8	4	12	A3	b}	-2	12TR	
133/1	7	9	16		{c	----	1VB	
144/2	6	8	14		d	-2	2F	
155/3	5	7	12		e}	-2	3P	
166/4	9	6	15		B3	{a	+3	4GI
177/5	8	5	13	B3	b	-2	5E	
188/6	7	4	11		c}	-2	6RP	
199/7	6	9	15		{d	+4	7C	
2010/8	5	8	13	A2	e}	-2	8IG	
211/9	9	7	16	B4	{a	+3	9V	
222/10	8	6	14		b	-2	10R	
233/11	7	5	12		c	-2	11MC	
244/12	6	4	10		d}	-2	12TR	
255/1	5	9	14		A1	{e}	----	1VB
266/2	9	8	17	B5	{a	+3	2F	
277/3	8	7	15		b	-2	3P	
288/4	7	6	13		c	-2	4GI	
299/5	6	5	11		d	-2	5E	
3010/6	5	4	9		e}	-2	6RP	
311/7	9	9	18	B*5	{a	+9	7C	
322/8	8	8	16		b	-2	8IG	
333/9	7	7	14		c	-2	9V	
344/10	6	6	12		d	-2	10R	
355/11	5	5	10		e}	-2	11MC	
366/12	9	4	13	C1	{a}	+3	12TR	
377/1	8	9	17	B*4	{b	----	1VB	
388/2	7	8	15		c	-2	2F	
399/3	6	7	13		d	-2	3P	
4010/4	5	6	11		e}	-2	4GI	
411/5	9	5	14	C2	{a	+3	5E	
422/6	8	4	12		b}	-2	6RP	
433/7	7	9	16	B*3	{c	+4	7C	
444/8	6	8	14		d	-2	8IG	
455/9	5	7	12		e}	-2	9V	
466/10	9	6	15	C3	{a	+3	10R	
477/11	8	5	13		b	-2	11MC	
488/12	7	4	11		c}	-2	12TR	

1	2	3	4	5	6	7	8	9
499/1	6	9	15	B*2	{d	---	1VB	5 type days [F2 - IG8] = -4
5010/2	5	8	13		e}	-2	2F	
511/3	9	7	16	C4	{a	+3	3P	
522/4	8	6	14		b	-2	4GI	
533/5	7	5	12		c	-2	5E	
544/6	6	4	10		d}	-2	6RP	
555/7	5	9	14		B*1	{e}	+4	
566/8	9	8	17	C5	{a	+3	8IG	
577/9	8	7	15		b	-2	9V	
588/10	7	6	13		c	-2	10R	
599/11	6	5	11		d	-2	11MC	
6010/12	5	4	9		e}	-2	12TR	

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### New methods of calculating the open points- keys of extraordinary channels

**Abstract:** In article new ways of calculation of opening of the points keys, the roles of numbers of N based on the analysis of «heavenly stems» and «earthly branches» binomials hours and days are presented. The differentiated approach to a six-ten-day cycle on the basis of the allocated five types of days and as some properties of types of days are given locates. Mathematical communication of new ways of calculation of codes among themselves and with traditional way that confirms idea about unity of described processes is given.

**Keywords:** traditional Chinese medicine, reflexotherapy, acupuncture, extraordinary channels, point- keys.

**Introduction.** This article presents two new and reasonable methods for calculating codes of opened Extraordinary Channels (EC). Both methods are mathematically related to each other and with the traditional