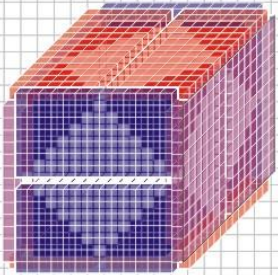


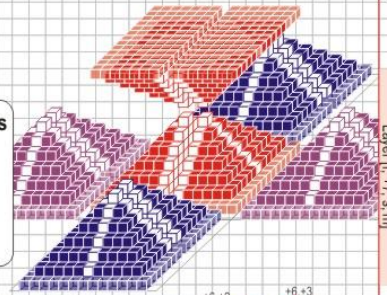
THE PATTERN MAP

THE UNBROKEN PATTERN CUBE

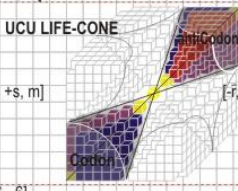
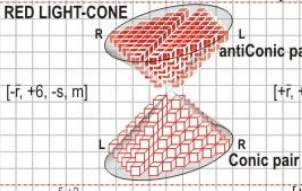
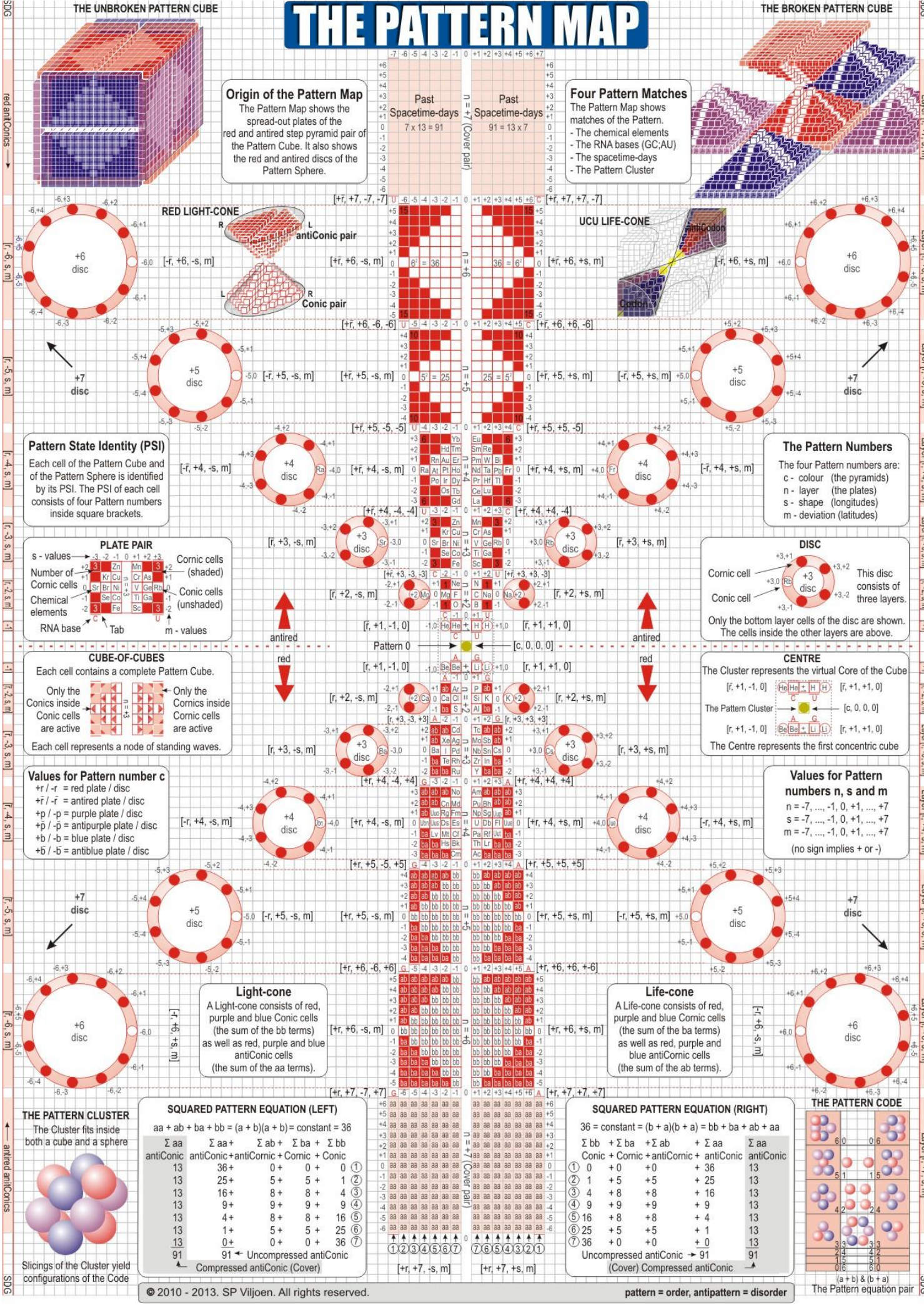


Origin of the Pattern Map
The Pattern Map shows the spread-out plates of the red and antired step pyramid pair of the Pattern Cube. It also shows the red and antired discs of the Pattern Sphere.

THE BROKEN PATTERN CUBE



Four Pattern Matches
The Pattern Map shows matches of the Pattern.
- The chemical elements
- The RNA bases (GC/AU)
- The spacetime-days
- The Pattern Cluster



Pattern State Identity (PSI)
Each cell of the Pattern Cube and of the Pattern Sphere is identified by its PSI. The PSI of each cell consists of four Pattern numbers inside square brackets.

The Pattern Numbers
The four Pattern numbers are:
c - colour (the pyramids)
n - layer (the plates)
s - shape (longitudes)
m - deviation (latitudes)

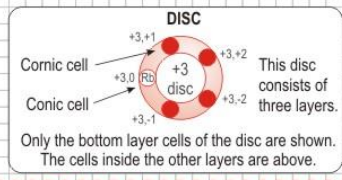
PLATE PAIR

s - values: $-3, -2, -1, 0, +1, +2, +3$

3	Zn	3	2
2	Kr	Cu	Cr As
1	Sr	Br Ni	V Ge Rb
0	Se	Co	Ti Ga
-1	3	Fe	Sc
-2	3	U	

m - values: $-3, -2, -1, 0, +1, +2, +3$

Conic cells (shaded) and Cornic cells (unshaded) are indicated.



CUBE-OF-CUBES

Each cell contains a complete Pattern Cube. Only the Conics inside Cornic cells are active.

CENTRE

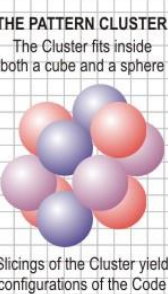
The Cluster represents the virtual Core of the Cube. The Pattern Cluster and the Centre represent the first concentric cube.

Values for Pattern number c
 $\bar{r} / -\bar{r}$ = red plate / disc
 $\bar{r} / -\bar{r}$ = antired plate / disc
 $\bar{p} / -\bar{p}$ = purple plate / disc
 $\bar{p} / -\bar{p}$ = antipurple plate / disc
 $\bar{b} / -\bar{b}$ = blue plate / disc
 $\bar{b} / -\bar{b}$ = antiblue plate / disc

Values for Pattern numbers n, s and m
 $n = -7, \dots, -1, 0, +1, \dots, +7$
 $s = -7, \dots, -1, 0, +1, \dots, +7$
 $m = -7, \dots, -1, 0, +1, \dots, +7$
 (no sign implies + or -)

Light-cone
A Light-cone consists of red, purple and blue Conic cells (the sum of the bb terms) as well as red, purple and blue antiConic cells (the sum of the aa terms).

Life-cone
A Life-cone consists of red, purple and blue Cornic cells (the sum of the ba terms) as well as red, purple and blue antiCornic cells (the sum of the ab terms).



SQUARED PATTERN EQUATION (LEFT)

Σaa	$\Sigma aa +$	$\Sigma ab +$	$\Sigma ba +$	Σbb
antiConic	antiConic+antiConic	Cornic	Cornic	Conic
13	36+	0+	0+	0
13	25+	5+	5+	1
13	16+	8+	8+	4
13	9+	9+	9+	9
13	4+	8+	8+	16
13	1+	5+	5+	25
13	0+	0+	0+	36
91	91 ← Uncompressed antiConic			
	Compressed antiConic (Cover)			

SQUARED PATTERN EQUATION (RIGHT)

Σbb	Σba	Σab	Σaa	Σaa
Conic	Conic	antiConic	antiConic	antiConic
1	0	0	0	36
2	1	5	5	25
3	4	8	8	16
4	9	9	9	9
5	16	8	8	4
6	25	5	5	1
7	36	0	0	0
	Uncompressed antiConic → 91			
	(Cover) Compressed antiConic			

THE PATTERN CODE

6	0	6
5	1	5
4	2	4
3	3	3
2	4	2
1	5	1
0	6	0

(a + b) & (b + a)