

The
TOTAL Universe
The New Paradigm

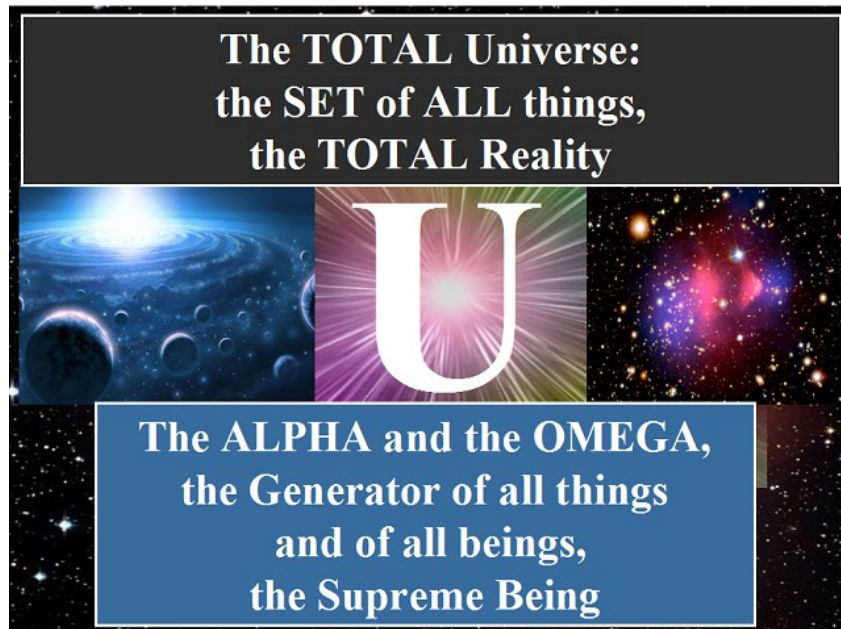


*The Seven Fundamental Truths
we must understand today
about the Universe*

Book Version of Seven Videos of the same theme.

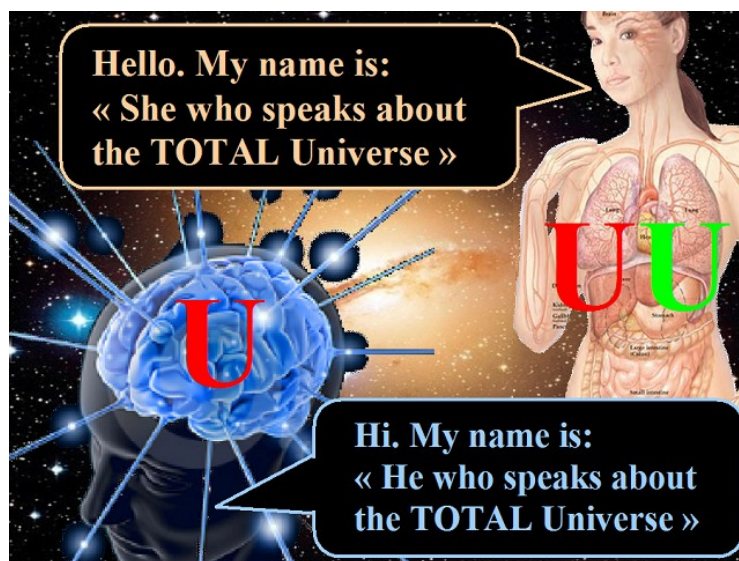
Book 2: Truth 2 of 7

(Short Version)



This book is totally free,
and must also be shared freely.

His author is
«She and He who speak about the TOTAL Universe».



*“Theophilus and Angelika”,
the avatars of all those who
speak about the TOTAL Universe*

This book is also available on the net in video version,
a series of the same theme :

**«The TOTAL Universe: The New Paradigm.
The Seven Fundamental Truths
we must understand today
about the Universe »**

<http://science-total-universe.org>

We can call this kind of book a « **book-video** ».

While reading a text, imagine you are seeing the two presenters,
Theophilus and Angelika, talking to you as to friends,
and explaining on a whiteboard what must be.
Sometimes it is one who speaks to you, sometimes the other.

And when you look at a picture with a legend or a comment,
imagine that you hear in voice-over,
one or the other, explaining you what you see.

The book-video, based on the video,
is an occasion to give some very important additional explanations
for a better understanding of
the TOTAL Universe, the New Paradigm.

The book-videos are not long to read,
because they consist primarily of images.

We recommend that you read the seven book-videos in the order,
to get a good overview of the TOTAL Universe
the New Paradigm.

Thus, by reading again the book-videos or any of them,
this time in the order you want,
your understanding of what is said can only be better.
You will better understand what is said here or there and why it is said,
because now you have an overview of the question.

All the book-videos are available for free download
at the website <http://science-total-universe.org>,
and all the videos can be seen there too.

Good watching, good reading...

General Summary of the Seven Books

Part I :

The TOTAL Universe: The Alpha and the Omega

- ❑ **Truth 1: The OMEGA: the Set, the TOTAL Reality**
Discovery of the SET of ALL things, in which everything exist
- ❑ **Truth 2: The ALPHA: the Element, the Generator of all things**
Discovery of the GENERESCENCE and the FRACTAL Nature of the TOTAL Universe
- ❑ **Truth 3: The XERY: the Universal Equivalence, the Union, the Unity, the Love**
Discovery of the powerful Equality with which the TOTAL Universe functions

Part II :

From Negation to Alternation: Back to the Lost Paradigm

- ❑ **Truth 4: The Negation of the TOTAL Universe: the Problem, the Error, the Evil**
Discovery of the ALTERNATION, the Nature and the NORMAL Functioning of the TOTAL Universe, and of its antithesis, the NEGATION
- ❑ **Truth 5a: Earth of Negation in a Universe of Negation...**
Truth 5b: ...The TOTAL Universe: the Origin and the Goal of the Life
New Genesis, full understanding of the Life and what is really the Problem of the Life: the Negation
- ❑ **Truth 6: The New Universe, the “New Heavens” and the “New Earth”**
The Wonderful future for all those who want to return in the Alternation, the Lost Paradigm and the Lost Paradise
- ❑ **Truth 7: Request to the TOTAL Universe**
Request to address to the TOTAL Universe, in order to live in the New World

Truth 2 (Book-Video 2)

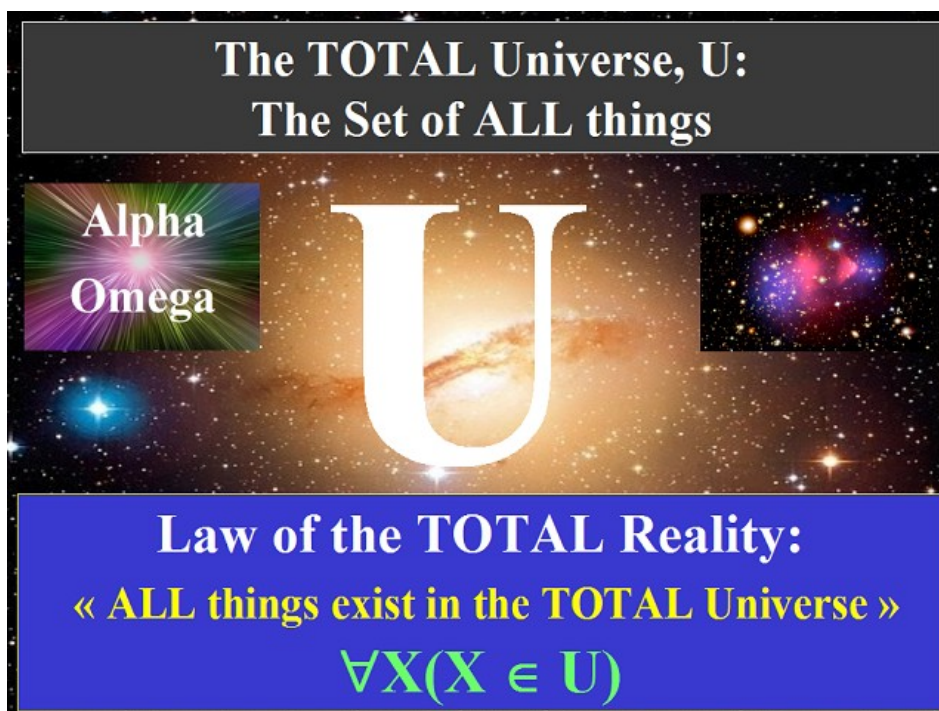
Summary

- Iteration, Generation and Generescence of the TOTAL Universe p.5
- Fundamentally, everything is Generescence, Digital, Data-Processing p.11
- Generescence and Creation of Universes and Things p.16
- Generescence and FRACTAL Structure of the TOTAL Universe p.22

Iteration, Generation and Generescence of the TOTAL Universe...

In the previous video, we discovered the TOTAL Universe as the OMEGA, the SET of ALL things, the TOTAL Reality...

ANY thing is thus an Element of the TOTAL Universe...



And now, the reciprocal Truth:
the TOTAL Universe is the ELEMENT of ALL things...

The TOTAL Universe is the Set,
and the TOTAL Universe is the Element

Alpha

Omega

The Generescence and the FRACTAL Structure of the TOTAL Universe illustrated by the Fractal of Sierpinski

The image shows a Sierpinski triangle fractal on a starry background. The triangle is composed of smaller triangles, with the letter 'U' placed inside several of them. A large green 'U' is positioned to the right of the main triangle. Two labels, 'Alpha' and 'Omega', are in black boxes with arrows pointing to specific small triangles within the fractal. The 'Alpha' label is in red text, and the 'Omega' label is in green text. The entire diagram is enclosed in a black box with a yellow border.

Generescence and FRACTAL Structure of the TOTAL Universe

The image features a dark, starry background with numerous bright stars and galaxies. Scattered across this background are several white, stylized 'U' characters of varying sizes. The largest 'U' is centrally located and has a glowing, multi-colored aura. Other 'U' characters are smaller and appear to be floating or scattered around the central one.

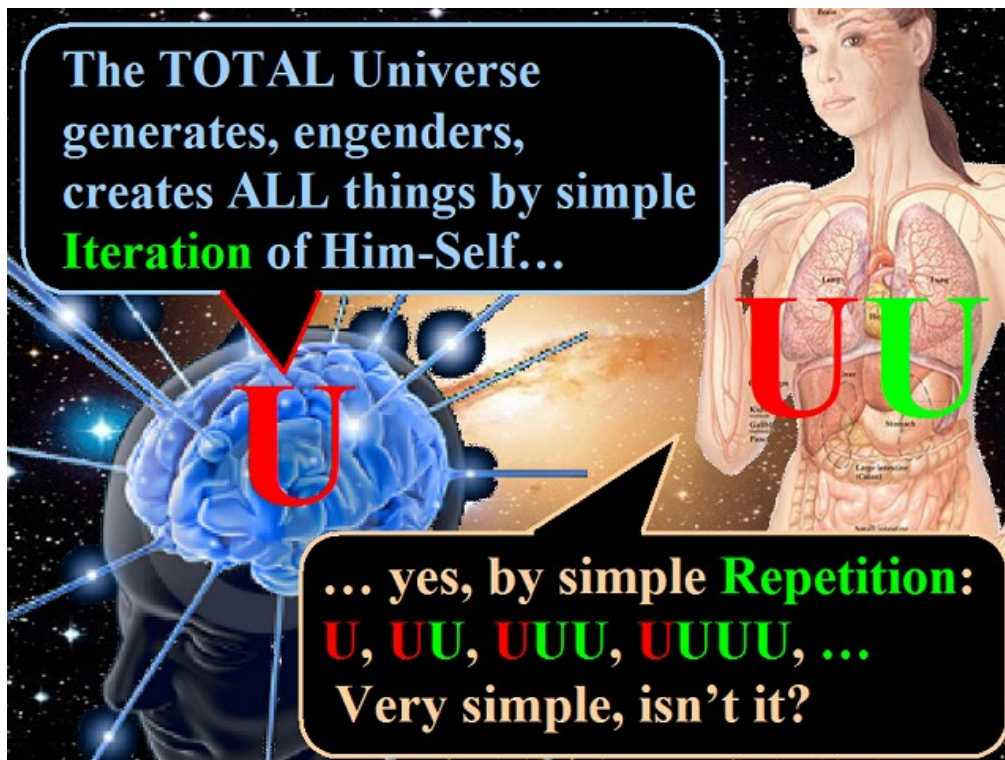
Here is the statement of the Truth we'll explain in this second video:

Truth 2

*The ALPHA: the Element,
the Generator of all things*

Truth 2:

***Truth 2:
The TOTAL Universe is the
ELEMENT of ALL things.
He is the Single Element
which constitutes
ANY thing.
He creates ALL things
by simple Iteration
of himself.***



The Law of Iteration of the TOTAL Universe comes from the fact that he is INFINITE.
That Law is simply the Arithmetic of the ZERO and the INFINITY...

It is the SIMPLEST Arithmetic that can be, and also the most fundamental:

Zero = Zero + Zero

Infinity = Infinity + Infinity

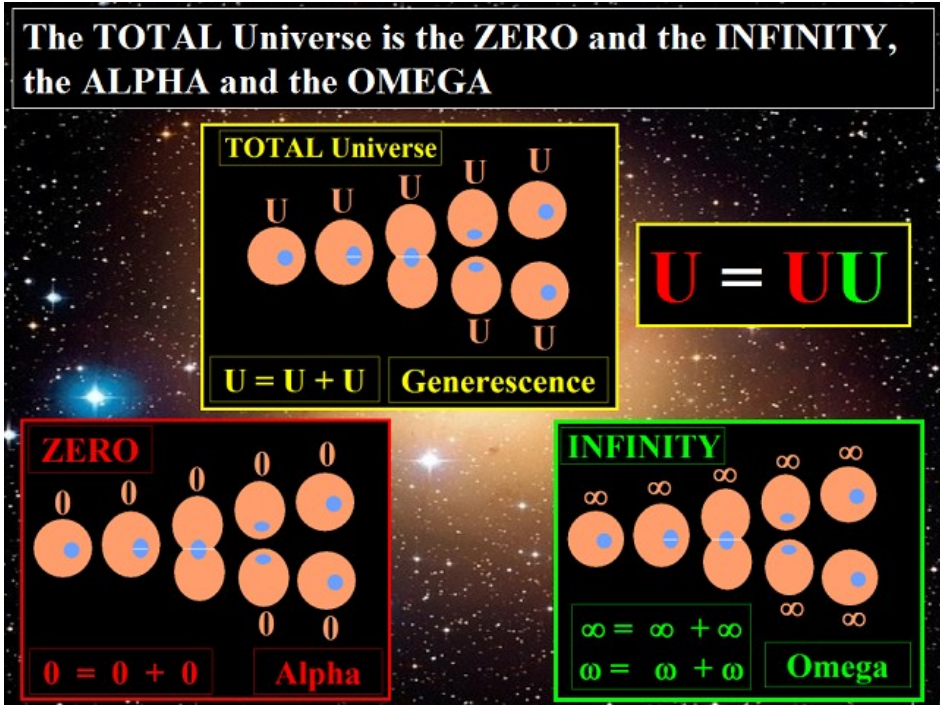
0 = 0 + 0

$\infty = \infty + \infty$

$\omega = \omega + \omega$

U = U + U

X = X + X

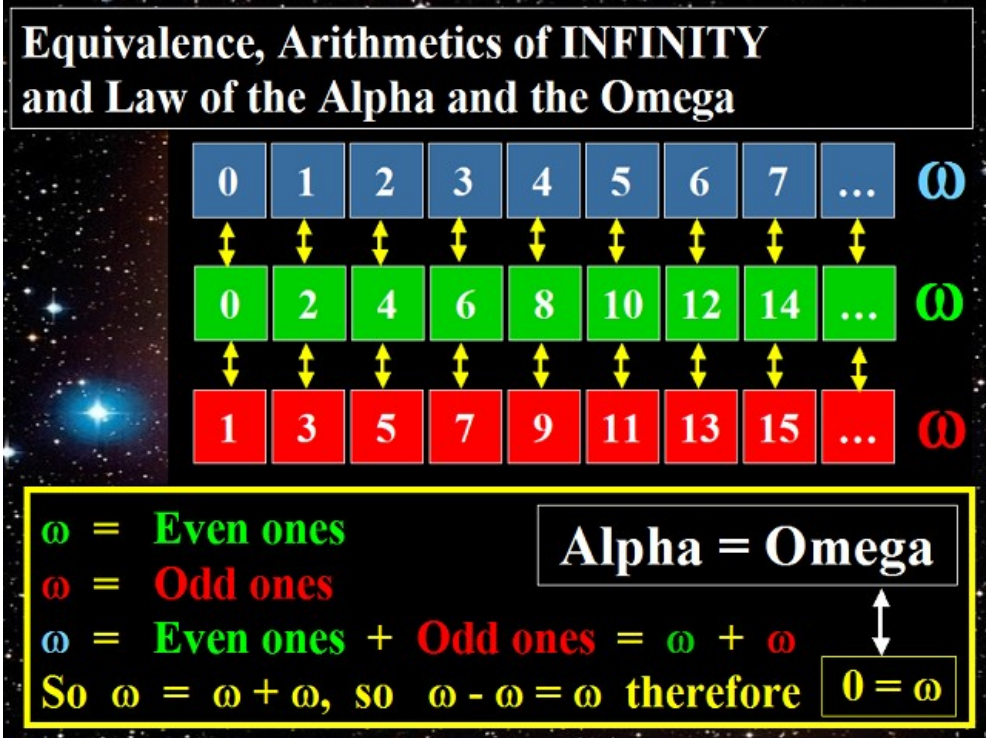


In the Kingdom of ZERO and INFINITY, of the ALPHA and the OMEGA, we say as usual:

$1 + 1 = 2$
 $2 + 2 = 4$

but also:

$1 + 1 = 1$ or $1 = 1 + 1$
 $2 + 2 = 2$ or $2 = 2 + 2$



Law of Generation Iteration Law of the TOTAL Universe

U = UU or U = U + U

**Universal Law of « Cellular Division »
or Law of « Multiplication of the Loaves »**

It is also the Arithmetic of the FRACTAL Structure,
illustrated here by the Fractal (or Triangle) of Sierpinski:

Iteration, Generescence, FRACTAL and Arithmetics of OMEGA

U = UUU

U = U + U + U

ω = ω ω ω

ω = ω + ω + ω

The OMEGA, the INFINITY, reproduces in as many units ALPHA necessary
to create ALL the different things...

Fundamentally, everything is Generescence, Digital, Data-Processing...

We call the Generescences the different Iterations of the Alpha.
So, ANY thing is one of these generescences:

The Generescences or Iterations of the ALPHA

Alpha, 1	U	NOTE: Omega or « U... », to read « U Gener », indicates the INFINITE Generescence
Beta, 2	UU	
Gamma, 3	UUU	
Delta, 4	UUUU	
...	...	
Omega, ω	UUUUUUUU... noted U...	

The things we intuitively call the "NUMBERS" are quite simply the GENERESCENCES...

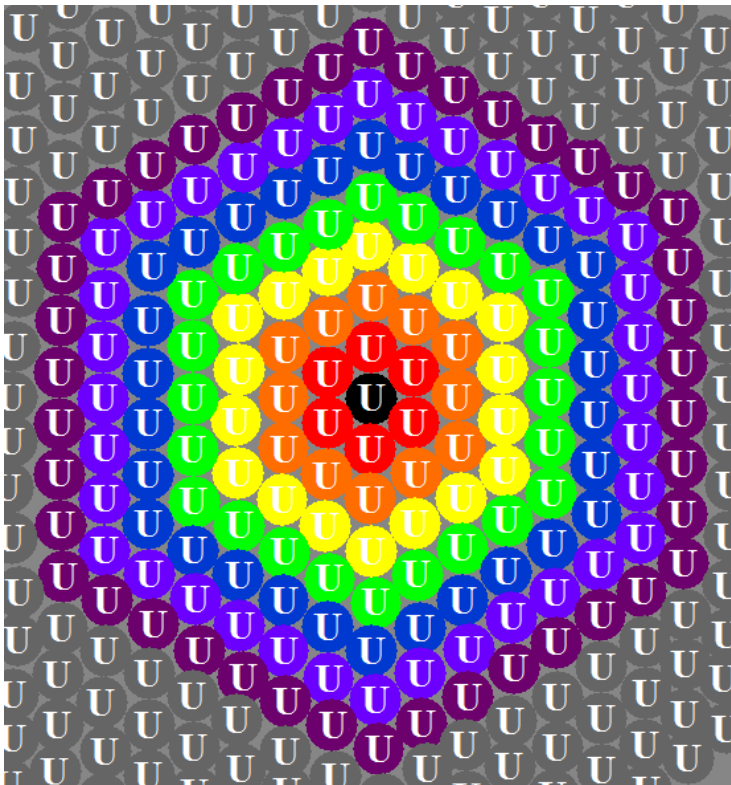
The TOTAL Universe: the Alpha and the Omega

Number			
GENERESCENCE	INFORMATION (Ordinal)		QUANTITY of INFORMATION (Cardinal)
Alpha → U	0	0	1
UU	00	1	2
UUU	000	2	3
UUUU	0000	3	4
UUUUU	00000	4	5
...
Omega → U...	0...	$\omega-1$	ω

The ZERO and the ONE (or 1) are two different aspects of the only and same ALPHA, U.

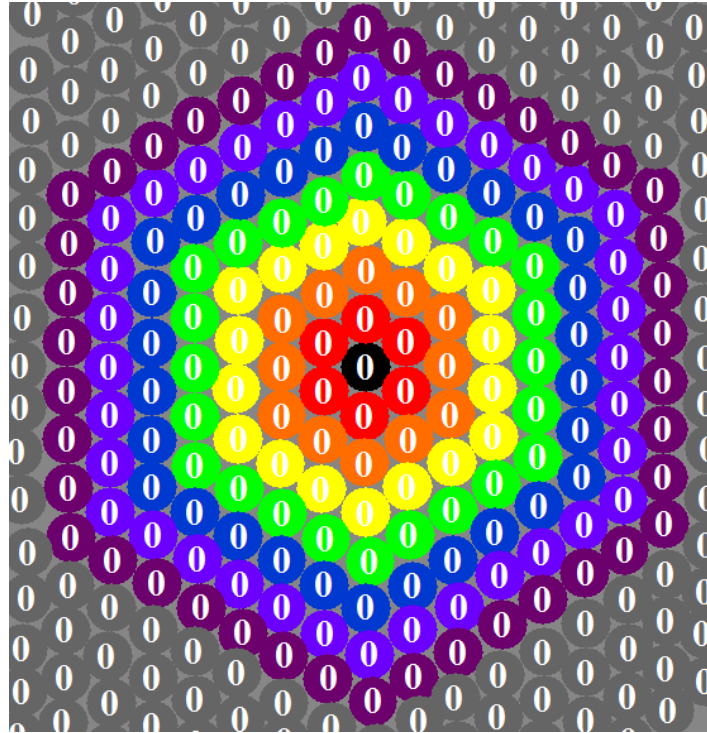


Because it is the basic Element, the Unit that is Iterated to create all things, the ALPHA is thus fundamentally the ONE (or 1).



Everything is Generescence, a Field of Alpha, U.

But as the smallest Generescence, the ALPHA is called the PIXEL, the POINT, the ZERO, or again the Vacuum.



That is the simple and deep explanation of what is called the “Sunyata” in Sanskrit, the Field of Zeros or Field of Apha. Everything is Generescence, a Field of Zeros

At the most fundamental level, ALL is Digital, DATA PROCESSING. ALL is pure INFORMATION, made of only one elementary information: the ALPHA, the U, the ZERO (or 0) that is also the ONE (or 1).

U = U Identity
 U = UU Equivalence
 U = U... Omeganity

Standard Model No dark energy Warm dark matter

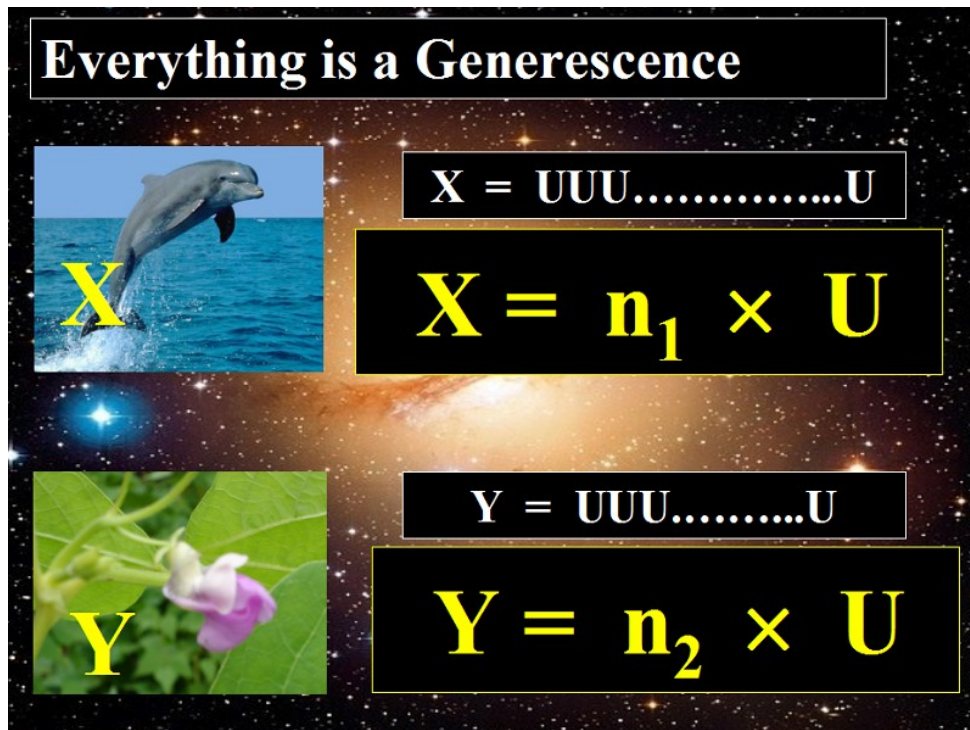
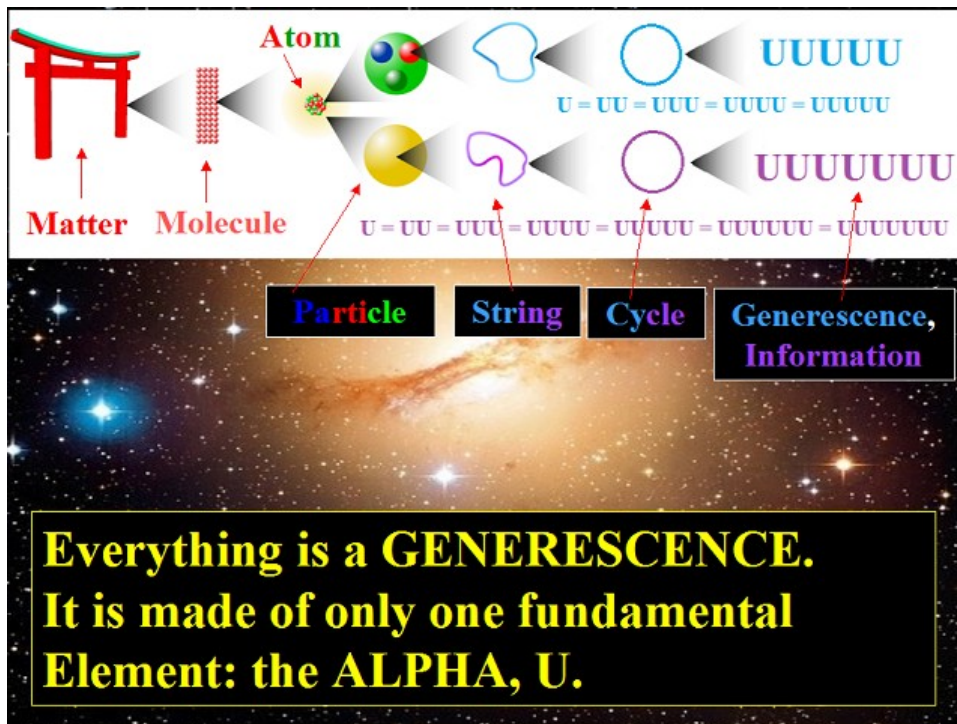
U, UU, UUU, UUUU, ...
 0, 00, 000, 0000, 00000, ...
 0, 1, 2, 3, 4, ...

Binary Data-Processing:
 0, 1, 10, 11, 100, 101, 110, 111, 1000, 1001, 1011...

Unary Data-Processing, Iterescence, Generescence:
 0, 00, 000, 0000, 00000, 000000, 0000000, 00000000, ...

So, the NUMBERS are not simple objects of the thought to express the quantities of things...

But the NUMBERS ARE the things... ANY thing is a GENERESCENCE, a NUMBER...



At the most fundamental level, we no more separate sciences, so we no more make difference between mathematics and physics, since ALL is Digital.

At the most fundamental level, all the measuring units become only one Unit: the ALPHA, U, the Absolute Unit...

The ALPHA is the Unit of Digits, but also the Unit of Time, of Length, of Energy, of Mass, of Temperature, Electric Charge, etc.

ALPHA, U: the Unique Fundamental Unit

Unit « Alpha as Zero » Zero = 0 = 0 = 0 × U	n_0	7 × 0
Unit « Alpha as One » Un = 1 = U = 1 × U	n_1	7 × 1
Unit « Two » Two = 2 = UU = 2 × U	n_2	7 × 2
Unit « Three » Three = 3 = UUU = 3 × U	n_3	7 × 3
Unit « Omega » Omega = ω = U... = ω × U	$n_ω$	7 × ω

ALPHA, U: the Unique Fundamental Unit

Unit « Time » Second = s = n_s × U	7 s
Unit « Length » Meter = m = n_m × U	7 m
Unit « Energy » Joule = J = n_J × U	7 J
Unit « Temperature » Kelvin = K = n_K × U	7 K
Unit « Child » Child = Kid = n_{Kid} × U	7 Kid

Each generescence, each thing, is a new Unit. Everything else depends on the mathematical and computing properties of the generescence.

As the generescence increases as number, the notions differ:
Time, Length, Mass, etc. New things are created...

Generescence and Creation of Universes and Things...

Let us follow now the TOTAL Universe, who, as the ALPHA,
starts a new Cycle of Generescences, of creation of all things.



In a Generescence given, the units Alpha, the "U", are organized into
simples structures currently known as Simplex...

Simplex
From Wikipedia, the free encyclopedia

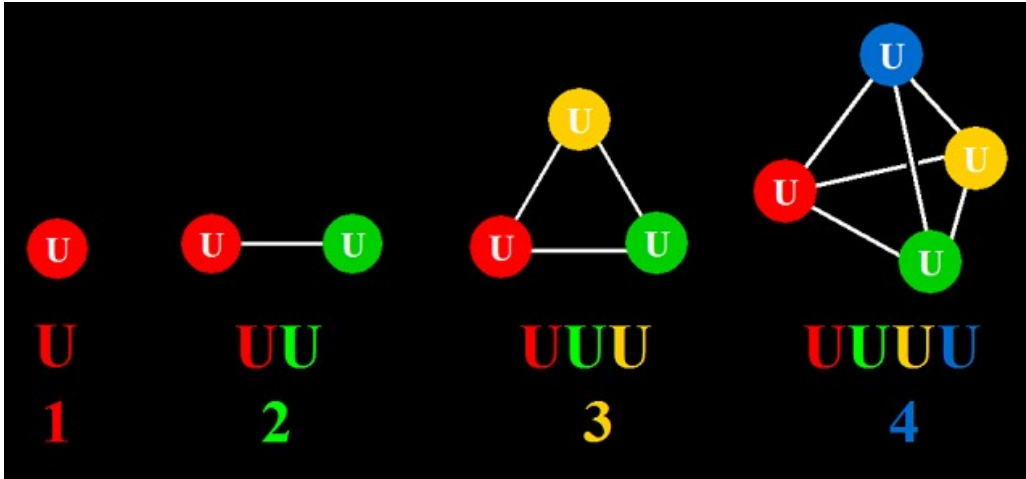
In geometry, a **simplex** (plural polytope which is the convex hull of 0-simplex, and a line segment

A **regular simplex**^[1] is a simplex the common edge length.

1-Point
2-Segment
3-Equilateral Triangle
4-Regular Tetraedron
5-Regular Pentachoron
etc.

The first Simplexes are to be seen as the smallest universes.

At the beginning of the Cycle of Creation, the TOTAL Universe is the simplest universe, the ALPHA or "U" .



But at the end of the Cycle, he is the largest universe, the OMEGA, "U..."

The number a Generescence is, is called the Omega Constant of the universe it is: 1, 2, 3, 4, ...

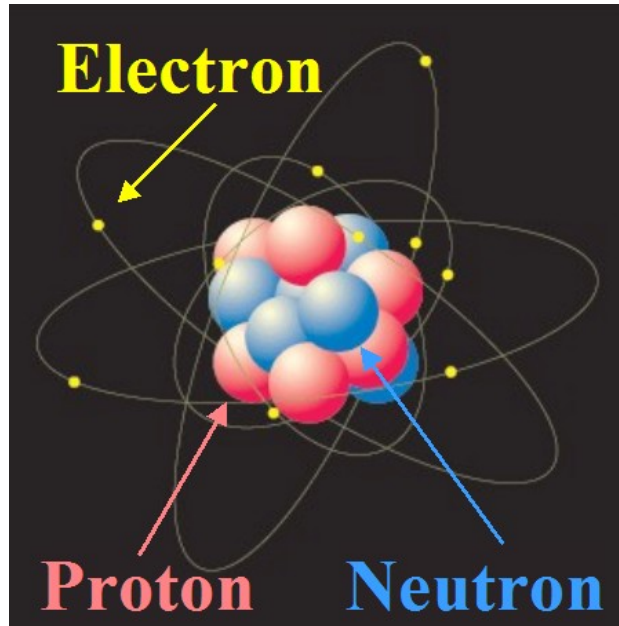
When the generescence increases, the universe it is becomes very quickly COMPLEX and also the combination possibilities within it...

Simplex Structure of Generescences

<p style="text-align: center;">1 Structure: U</p> <p style="text-align: center;">U, 1</p> <p style="text-align: center;">1 Permutation: U</p>	<p style="text-align: center;">2 Structures: U.U UU</p> <p style="text-align: center;">UU, 2</p> <p style="text-align: center;">2 Permutations: UU , UU</p>
<p style="text-align: center;">4 Structures: U.U.U U.UU UU.U UUU</p> <p style="text-align: center;">UUU, 3</p> <p style="text-align: center;">6 Permutations: UUU UU UU UUU UU UU</p>	<p style="text-align: center;">8 Structures: U.U.U.U UU.U.U U.UU.U UU.UU UUU.U U.UUU UUUU</p> <p style="text-align: center;">UUUU, 4</p> <p style="text-align: center;">UUUU: 24 Permutations UUUUU: 120 Permutations UUUUUU: 720 Permutations UUUUUUU: 5040 Permutations</p>

At higher degrees of complexity, the generescences become the "Particles"

in the usual meaning, as for example Protons, Neutrons and Electrons, which constitute the Atom...



Then the Atoms form the Molecules, which form the Cells, which form beings like us, etc.

Here is four scales of complexity of generescences, four scales of the Reality...

<p>④ COSMIC Scale (OMEGA)</p>			
<p>③ HUMAN Scale</p>			
<p>② QUANTUM Scale</p>			
<p>① DIGITAL Scale (ALPHA)</p>			

So are created Dimensions, Space, Time, Universes, etc.

They are created by simple Iteration of the ALPHA, U.

Dimension 0 U_0D	•	U Alpha , Ω^0 , ω^0 , 1
Dimension 1 U_1D	—	U... (U_0D)... Omega , ω^1 , ω
Dimension 2 U_2D	▭	(U_1D)... (U...) ... Omega² , ω^2
Dimension 3 U_3D	▭	(U_2D)... ((U...) ...) Omega³ , ω^3

It is here that intervene very large numbers such as for example “Googol”, that inspired the name of a data-processing company well-known in this world...

The image shows a screenshot of the Wikipedia article for "Googol". The article title "Googol" is circled in red. A red arrow points from the title to a large black box at the bottom of the page. This box contains the text: "Googol = 10¹⁰⁰" followed by a long string of 100 zeros. Another red arrow points from the circled "10¹⁰⁰" in the article text to the same box. To the right of the article, there are two flags: the French flag next to "Gogol" and the British flag next to "Googol".

Precisely, the Omega Constant of OUR universe is of the order of magnitude of Googol...

Indeed, the ratio between the measurements of its Infinitely large objects (Omega) and its Infinitely small objects (Alpha) hardly exceeds Googol...

Constant Omega of OUR universe		
Object Alpha	Object Omega	$\frac{\text{Omega}}{\text{Alpha}}$
Diameter of a Quark $\leq 10^{-18}$ m	Diameter of OUR universe $\approx 1.3 \times 10^{26}$ m	$\approx 10^{44}$
Atom 1	Number of Atoms of OUR universe $\approx 10^{80}$	$\approx 10^{80}$
Energy of a Quark « u » ≈ 2 MeV	Energy of OUR universe $\approx 2 \times 10^{83}$ MeV	$\approx 10^{83}$
Energy of a visible Photon ≈ 2 eV	Energy of OUR universe $\approx 2 \times 10^{89}$ eV	$\approx 10^{89}$

$\omega \approx \text{Googol} = 10^{100}$

Although it can appear gigantic to us, OUR universe is in fact a very small universe...

OUR universe is a Zero or Alpha compared to a universe whose Omega Constant is the Graham's Number, for example....

WIKIPEDIA
The Free Encyclopedia

Article Talk

Nombre de Graham
Graham's Number

Graham's number

From Wikipedia, the free encyclopedia

This article is about the large number named after Ronald Graham. For the investing term named after B...

Graham's number, named after Ronald Graham, is a large number that is an upper bound on the solution to...

The number gained a degree of popular attention when Martin Gardner described it in the "Mathematical Gam...

G = **g₆₄** = **3** ↑^{**g₆₃**} **3**

⋮

g₃ = **3** ↑^{**g₂**} **3**

g₂ = **3** ↑^{**g₁**} **3**

g₁ = **3** ↑^{**4**} **3**

Flèches de Knuth
Knuth's Arrows

↑¹, ↑ **Exponentiation**

↑² **Tetration**

↑³ **Pentation**

↑⁴ **Hexation**

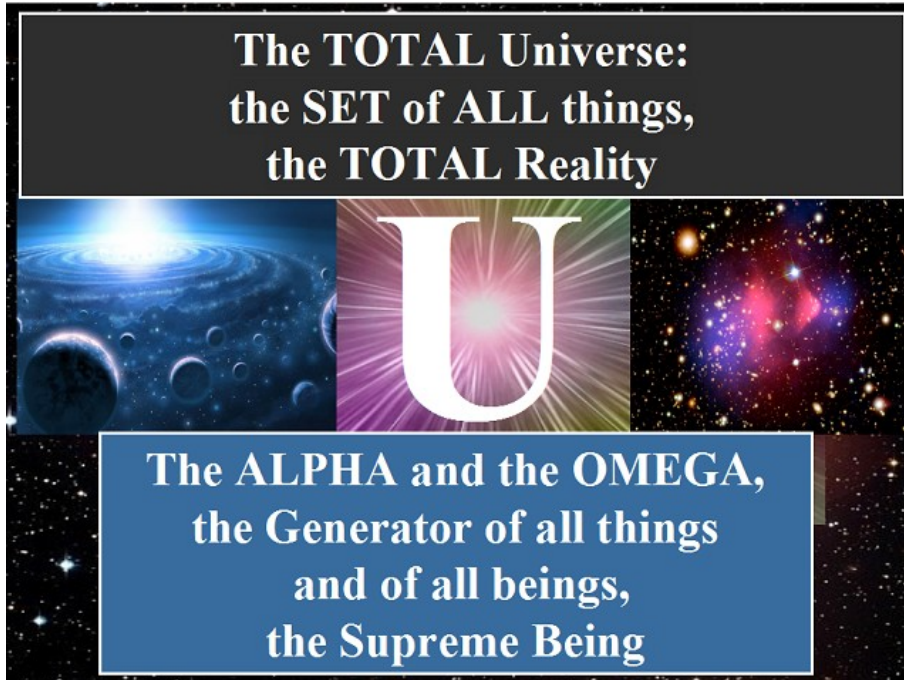
... ...

And all the Universes, so gigantic they are, are Zeros or Alphas compared to the TOTAL Universe, the SET of ALL generescences, the OMEGA, the INFINITY...



In his case, we don't talk about Omega Constant but about Omega Variable, precisely because all the Omega Constants are his particular values, all the particular cases of Universe...

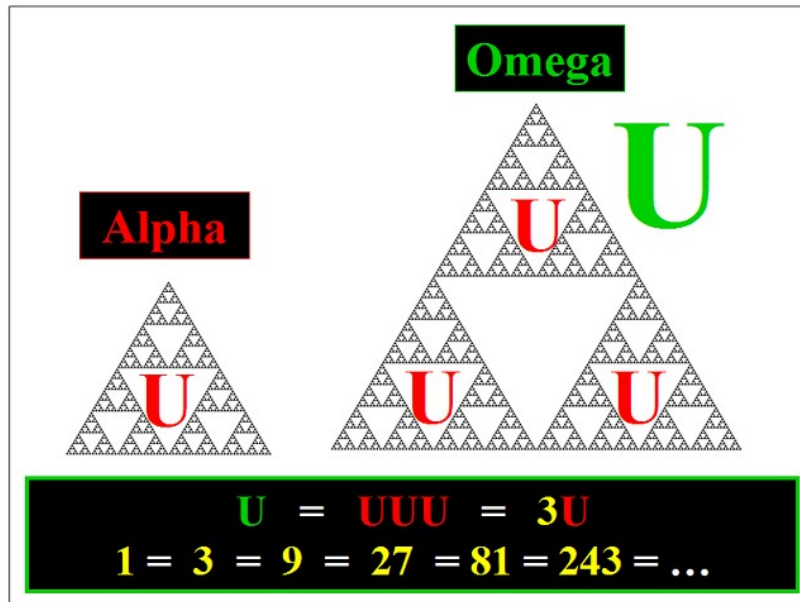
ANY thing EXISTS in the TOTAL Universe, because ANY generescence EXISTS, ALL the Infinity of numbers EXIST.



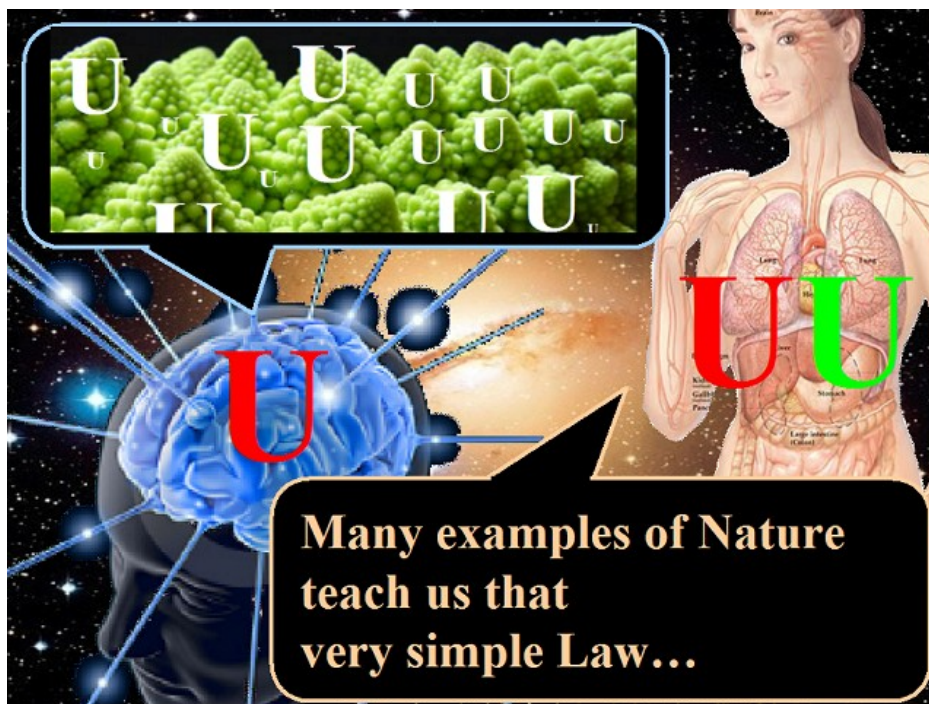
Generescence and FRACTAL Structure of the TOTAL Universe...

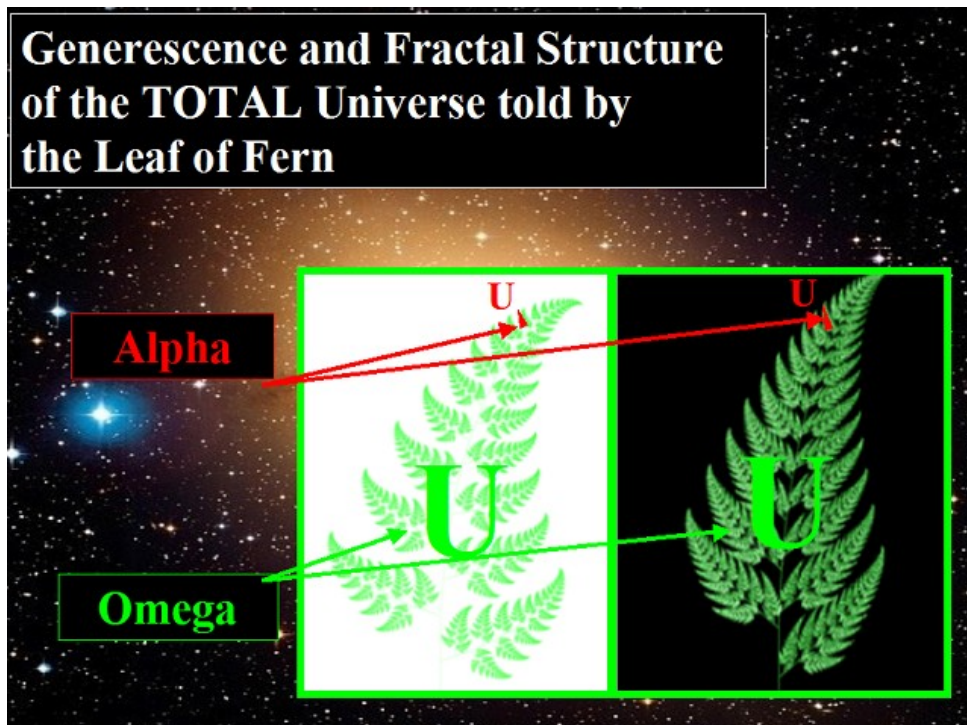
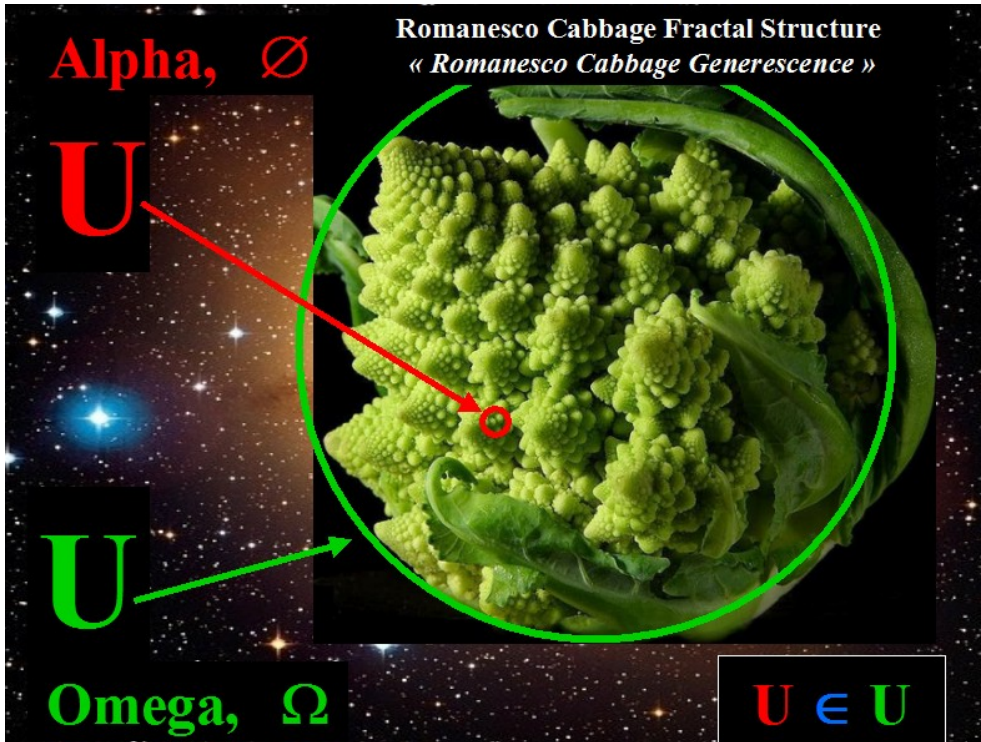
ALL things are created by Iteration of the ALPHA.
But ALL things already pre-exist in the ALPHA,
because he is also the OMEGA...

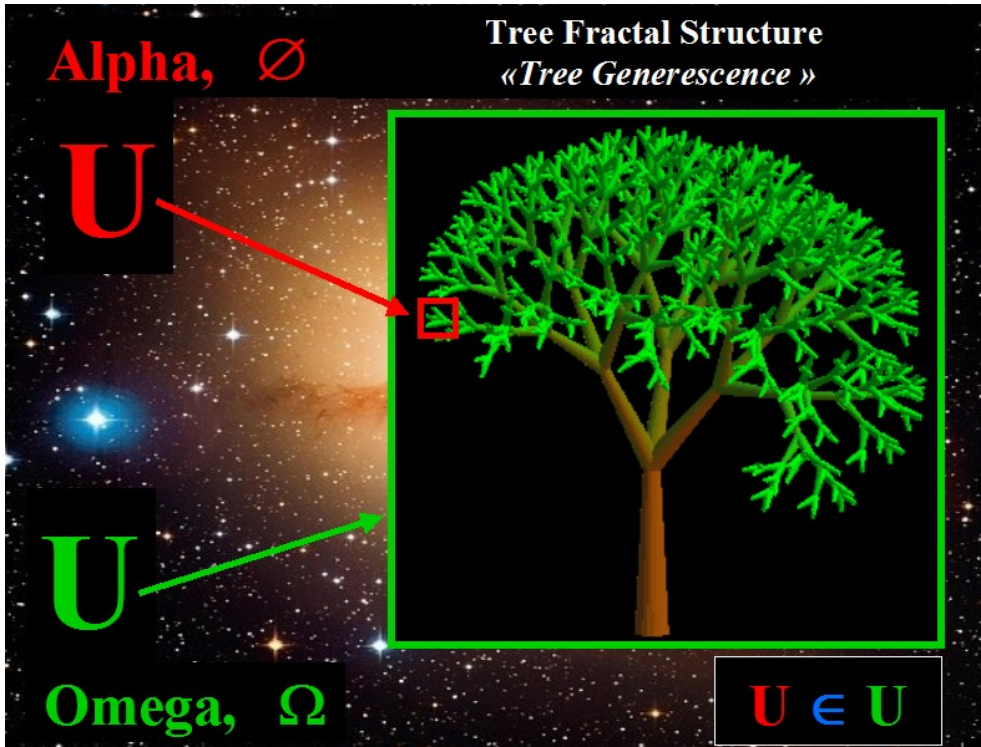
The elements of the ALPHA are the ones created at the previous Cycle of the TOTAL Universe.
And the OMEGA is always a new ALPHA,
who starts a new Cycle of Creation...



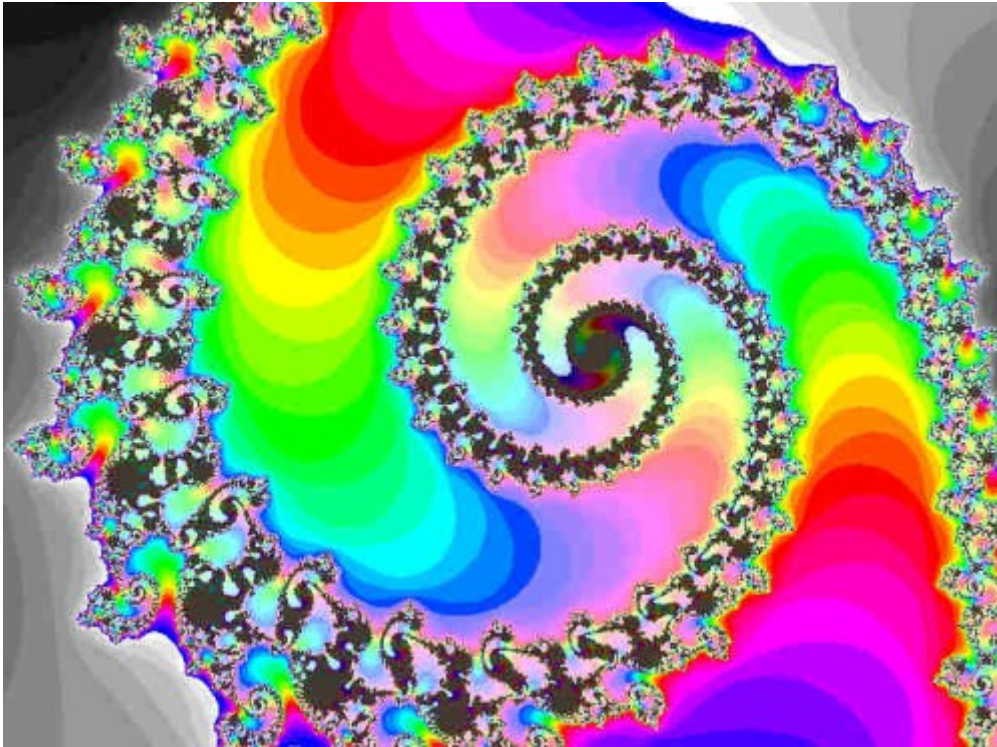
It is the Law of the FRACTAL Structure of the TOTAL Universe,
 the Law of the ALPHA and the OMEGA,
 the Generator of ALL things...







Spiral Galaxy



FRACTAL of Julia

We'll be happy to see you in the next video,
for the discovery of an other very great truth:
the Universal Equivalence...

