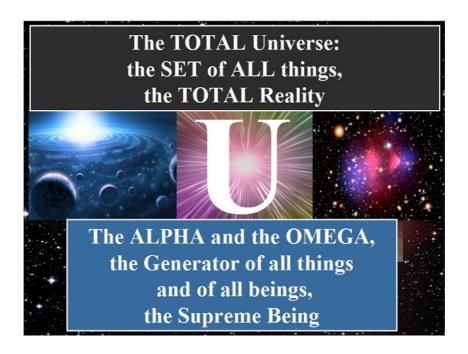


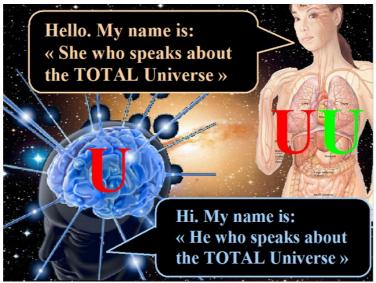
Book Version of Seven Videos of the same theme.

Book 4: Truth 4 of 7



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 <a href="http://science-total-universe.org">http://science-total-universe.org</a>, 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

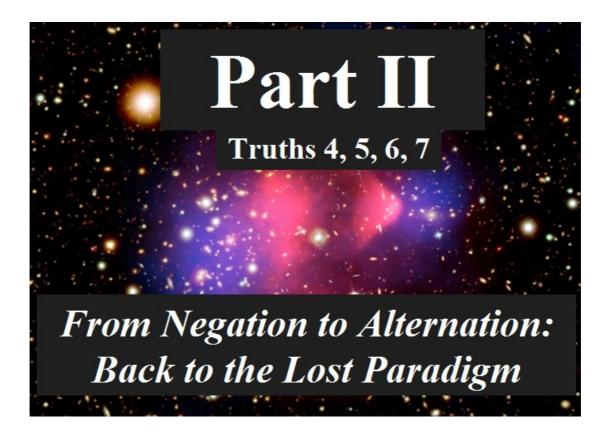
# Truth 4 (Book-Video 4)

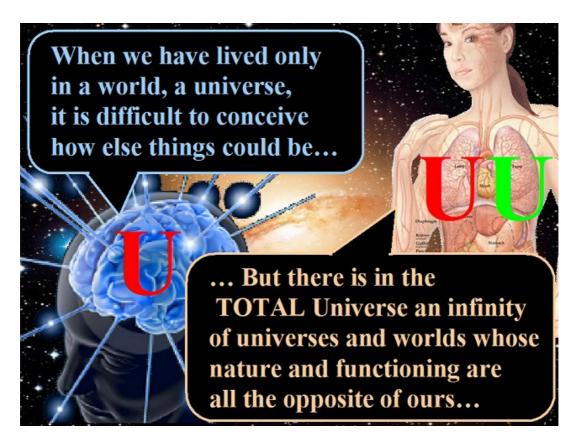
#### **Summary**

- Alternation and Negation p.5
- > The Negation: the cause of all paradoxes p.10
- Alternation the Functioning, and Negation the Dysfunctioning p.18
- Alternation the XERY, and Negation the Anti-XERY p.30
- > Tree of Life and Tree of Evil p.35

## **Alternation and Negation...**

We'll now move on the second part, the Truths 4, 5, 6 and 7, of which here is the general theme:

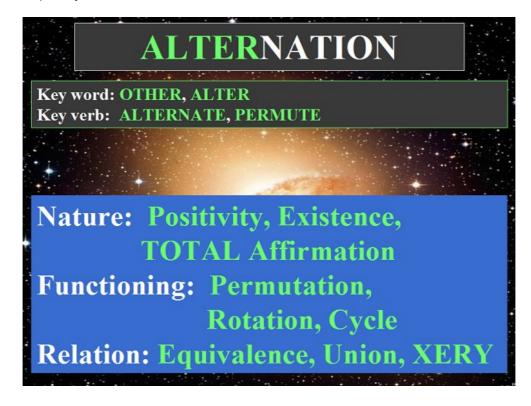




In this fourth video, we'll begin discovering a very important notion, the ALTERNATION, the deep Nature of the TOTAL Universe, his LOGIC, his LAW...

The word ALTERNATION comes at first from the word "OTHER", in Latin "ALTER", and then from the verb "ALTERNATE" which summarizes the FUNCTIONING that the Alternation is...

Here are the three aspects of the ALTERNATION we'll understand, and consequently also of the NEGATION:

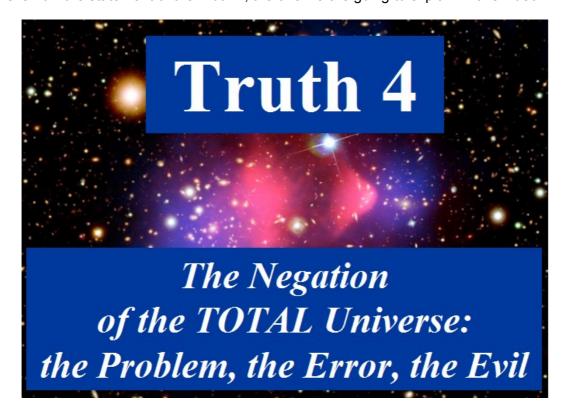


The ALTERNATION is the NORM, the NORMAL Functioning of the TOTAL Universe, the NORMAL Relation between things and beings within him and between things and him...

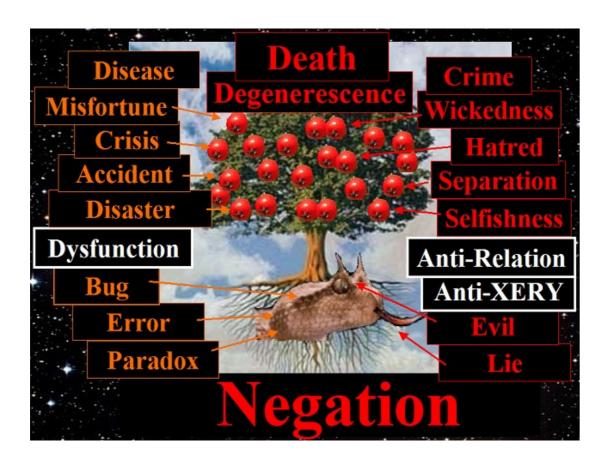


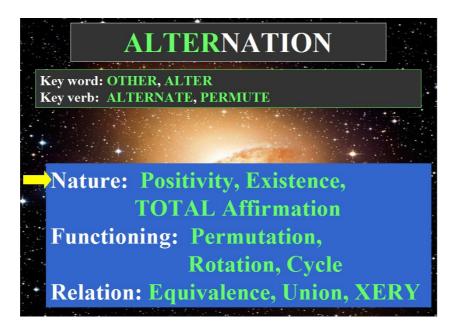
Consequently, we'll also understand the antithesis of the ALTERNATION, namely the NEGATION...

Here is now the statement of the Truth 4, the one we are going to explain in this video:



Truth 4:
The Negation
of the TOTAL Universe
is THE PROBLEM,
the root of all the evils.
A world without Negation
of the TOTAL Universe
is a world without
Negative things...



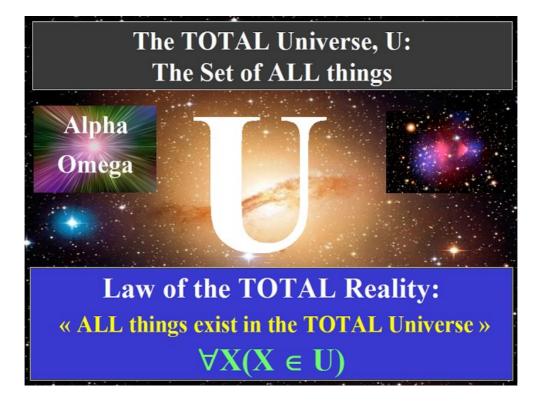


First, the EXISTENTIAL, AFFIRMATIVE and POSITIVE Nature of the ALTERNATION...

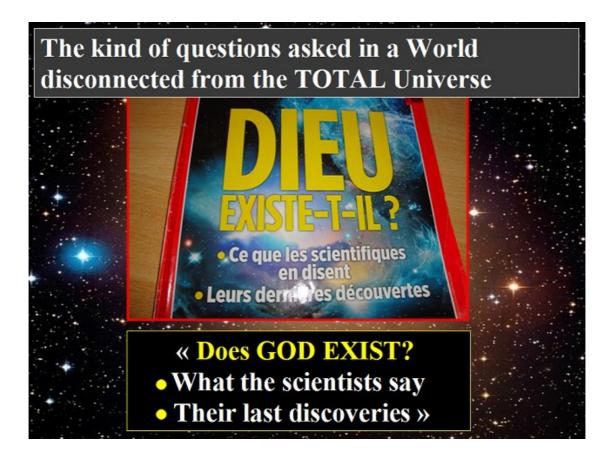
In the first video (Truth 1) we saw the fundamental Law of the TOTAL Universe, namely the Law of the TOTAL Reality...

ANY thing EXISTS in the TOTAL Universe, the SET of ALL things...

It is his definition itself...



So, NEGATING (DENYING) at least one thing in the Absolute, is to NEGATE (to DENY) the TOTAL Universe, the TOTAL Reality, the TOTAL BEING.



## The Negation: the cause of all paradoxes...

The Negation of the TOTAL Universe is the beginning of the ERROR, the PARADOX, in science, in philosophy, in religion or elsewhere...

For example, these Paradoxes in science are simply problems of Negation:



The famous Paradox of Russell is this kind of problems:

<sup>&</sup>quot;A Doctor of a village named Omega treats any person in the village who does not treat himself. Does Omega treat himself?"

"A Number named Omega is greater than any number which is not greater than itself." Is Omega greater than itself?"

(Problem of the last Ordinal or Paradox of Burali-Forti)

"A God named Omega creates any thing which does not create itself. Does Omega create himself?"

And so on.

The general form of that problem is:

"A Thing named Omega has a relation R with any thing which has not the relation R with itself. Does Omega have the relation R with itself?"

The problem is that if we say yes, we must say no; and if we say no, we must say yes. That is the called "paradox" of Russell; it can be so schematised:

#### True ⇔ False

or:

#### If True, then False AND if False, then True

Therefore, the conclusion that the Doctor, the Number, the God and generally the Thing named Omega which has such a property cannot exist.

Thus, the existence of Omega is negated, denied.

More technically, the Paradox of Russell is this problem of Set Theory: "A set Omega has as elements any set which is not an element of itself. Is Omega an element of itself?"

If we analyze that question, we'll see that if the set Omega  $(\Omega)$  is an element of itself  $(\Omega \in \Omega)$ , then  $\Omega$  is not an element of itself  $(\Omega \notin \Omega)$ ; and conversely, if  $\Omega$  is not an element of itself  $(\Omega \notin \Omega)$ , then  $\Omega$  is an element of itself  $(\Omega \in \Omega)$ .

So,  $\Omega$  has this property, very "strange" for us:

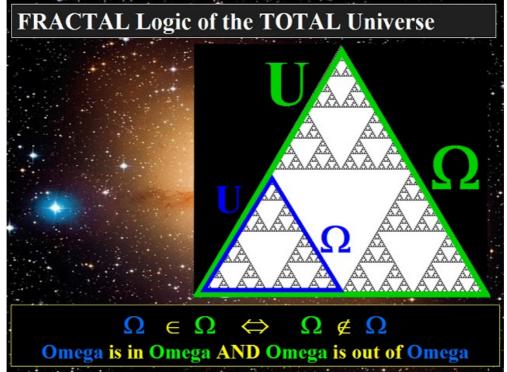
 $\Omega \in \Omega \iff \Omega \notin \Omega$ 

That is to say a property of the kind:

#### True ⇔ False

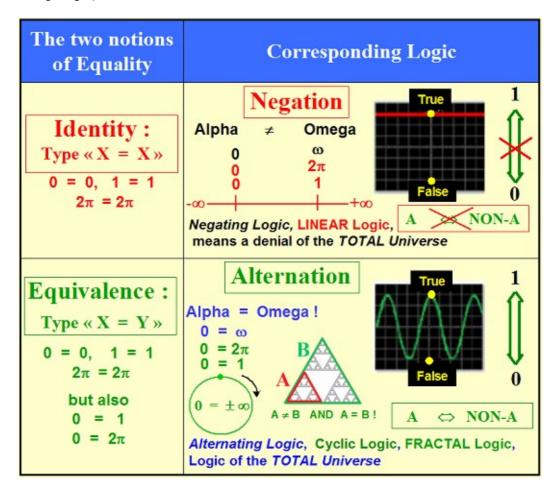
Behind that last form of the Paradox of Russell is simply hidden the question of a set like the Set of ALL sets, or simply the Set of ALL things, that is to say the TOTAL Universe.

Now, please, look at the following FRACTAL Structure (here a Fractal or Triangle of Sierpinski, one of the simplest and the most pedagogic), and we'll very easily see that **it is an element of itself**, and it is also true that it is not an element of itself. Indeed, it is **in itself**, and consequently it is **out of itself**, and vice-versa:



With the TOTAL Universe, the **Negation** must be **relative**, it must be an **alternating** one, Simply, it must be the **Alternation** 

The called "paradox" and all kind of paradoxes in science are simply due to the fact that we currently work in the Logic of Negation (Negating Logic) instead of the Logic of Alternation (Alternating Logic):



The real Paradox is not where we were thinking it was.

The problem comes from the Negation, the connector **NON** we are reasoning with.

It is a paradoxical negation, because it is **absolute** whereas it should be only **relative**.

We need to reason in **ALTERNATION**, with a new connector, **ALTER**, which thus is the **relative negation**, synonym of the TOTAL Universe, of his Nature and his Functioning.

We simply call the **Negation** (symbol: **NN**) the **absolute negation**, opposed to the **relative negation** called the **Alternation** (symbol: **N** or **AN**). The **Negation** is synonym of denial of the TOTAL Universe, of his Nature, his Reality and his Functioning.

Now, let us understand, please, that in a limited context, a thing  ${\bf X}$  and its negation  ${\bf NON-X}$  may not be true at the same time.

But in the TOTAL Universe, the SET of ALL things, everything exist and the negation of everything too.

At that scale, everything is true and the contrary of everything too.

In other words, with the **absolute negation**, **NN** (that is to say the **Negation**), **NN-X** excludes **X** and vice versa.

But with the **relative negation**, **N** or **AN** (that is to say the **Alternation**), **N-X** no more exclude **X** and vice-versa. Both exist in the TOTAL Universe, both are true, both are possible.

The Alternation is the AFFIRMATION of the TOTAL Universe, the TOTAL Affirmation of things, of their existence, their reality, their possibility.



In the limited contexts, there is no difference between **Alternation** (**N**) and **Negation** (**NN**). But the difference appears very quickly when we begin talking about large contexts such and the Universe.

The great Error (or Lie...) is to continue reasoning with the current **Negation** (**NN**) in our study of the Universe,

where we should change, alternate, and reason now with the **Alternation** (**N**), the negation needed at such scales.

The question of **Negation** (**NN**) and **Alternation** (**N**) is synonym to the problem of **Identity** (symbol ==) and **Equivalence** (symbol =), the two forms of the **Equality**.

As the Alternation is the general and the NORMAL Logic at the scale of the TOTAL Universe, the Equivalence is also the general and the NORMAL Equality at that scale.

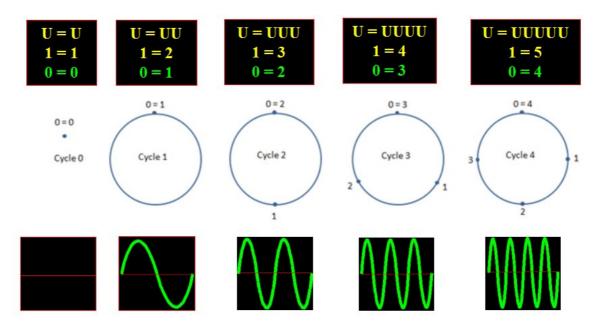
The Paradox of Russell and all paradoxes of its kind (like the Paradox of the Liar or the Paradox of Burali-Forti) are due to the fact that we reason in the ontology of Identity instead of the ontology of Equivalence (for a more understanding of the Equivalence, see the previous book-video, the book 3).

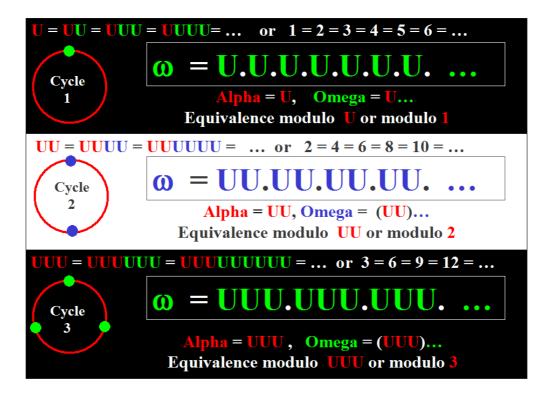
Indeed, all those called "paradoxes" are simply different ways to express that this is impossible:

#### 0 = 1

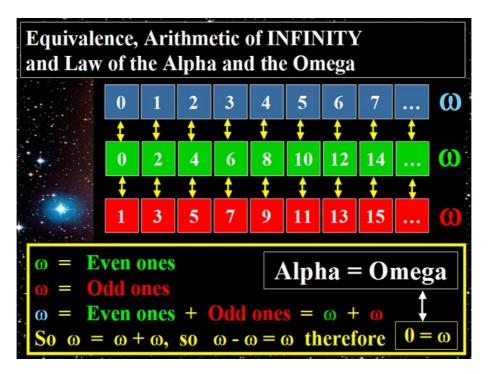
But this is not a problem at all, because this is simply an Equivalence. The Identity forbids that equality, and allows only equalities like 0 = 0, 1 = 1, 2 = 2, X = X, etc.

But the problem passes away when we change the paradigm and reason now in the Alternating Logic, that is to say in the paradigm of Equivalence, related to the Cycle (or Circle):

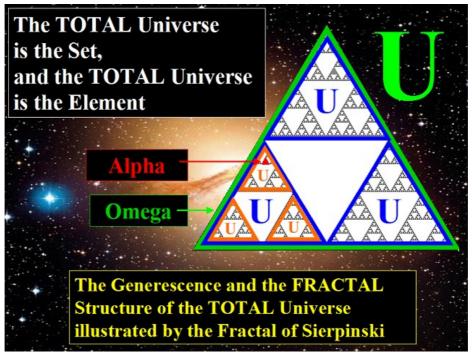




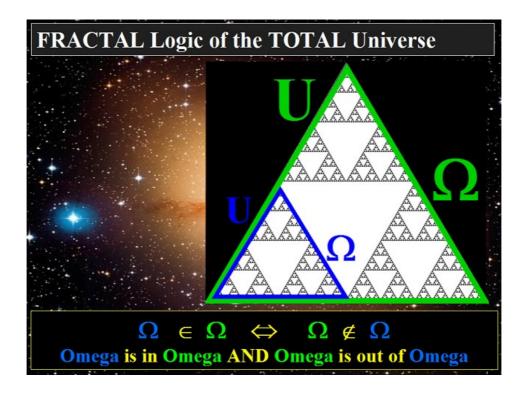
The Paradox of Burali-Forti, also called the Paradox of the Last Ordinal (or Last Number), very close to the Russell's one, comes from the fact that, due to the Negation we are reasoning with, we don't understand that the last Number or Ordinal, the OMEGA, is also the first Number or Ordinal, the ALPHA.

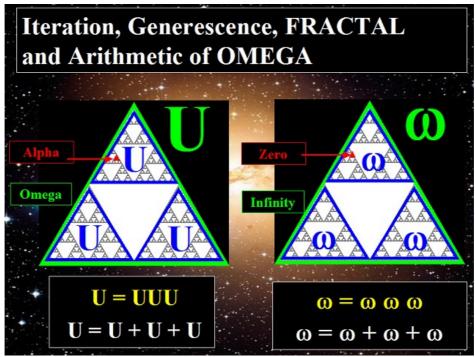


In other words, the paradigm of Negation prevent us to see that the TOTAL Universe has a FRACTAL Nature:



For more details about the FRACTAL Structure of the TOTAL Universe, see the book 2.



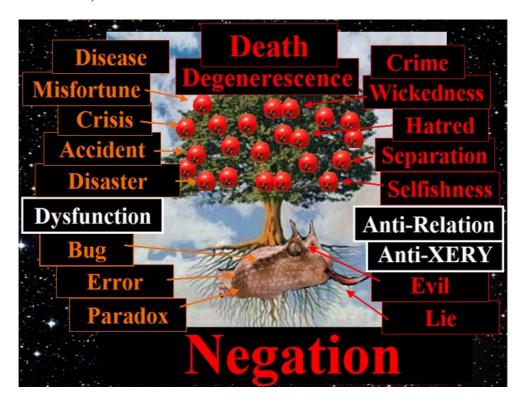


For more details about the Arithmetic of OMEGA, see the book 3.

One of the problems in biology is the famous Paradox of the Chicken and the Egg. This is also a problem of Denial of the TOTAL Universe (the Alpha and the Omega), of his Cyclical and FRACTAL Nature.

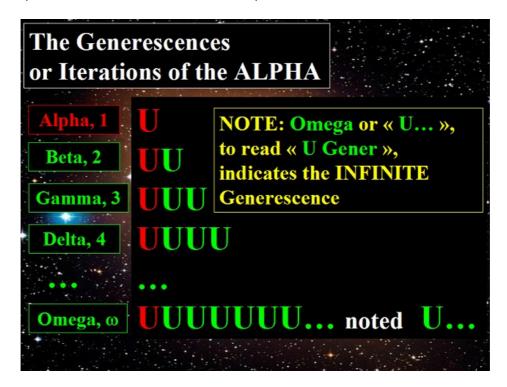
Shortly, all paradoxes or all problems we can meet in science or elsewhere, are simply due to the Negation, the real Problem, the Root of all other problems.

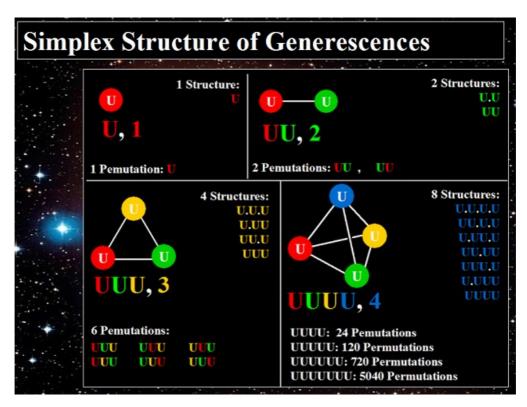
When the Negation is not a simple Error of Paradigm, when the intention is to DENY the Reality of Universe and things, then it becomes LIE, the first form of Evil...

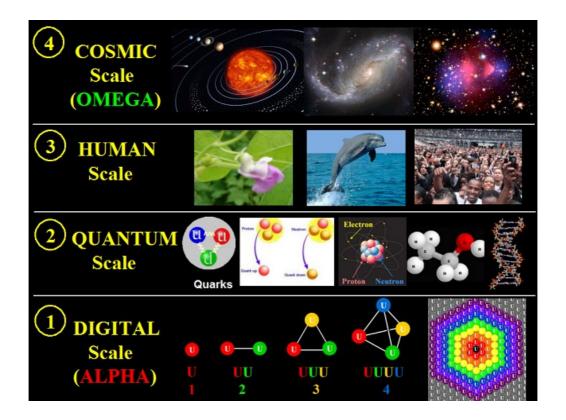


# Alternation the Functioning, and Negation the Dysfunctioning...

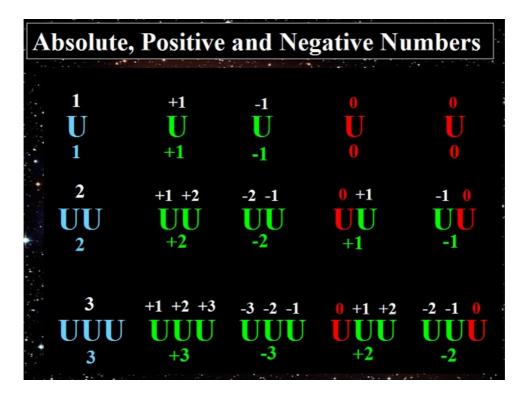
We saw in the Video 2 that ANY thing is a generescence, it is constituted by only ONE fundamental Element, the ALPHA, which also is the TOTAL Universe, the OMEGA...

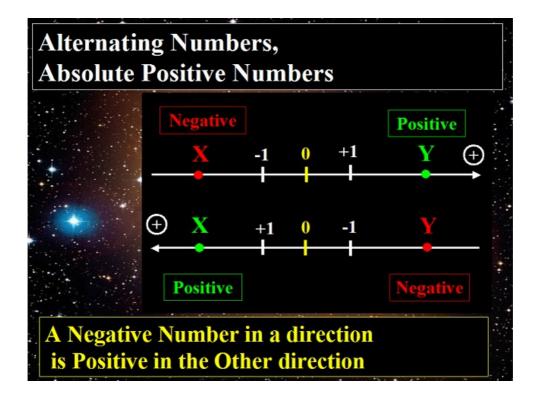






The EXISTENCE is fundamentally POSITIVE, because the Generescences are POSITIVE...





Let us discover now the ALTERNATION as the Functioning of the TOTAL Universe:



The word which summarizes the Alternation as the Functioning of the TOTAL Universe is the word PERMUTATION.

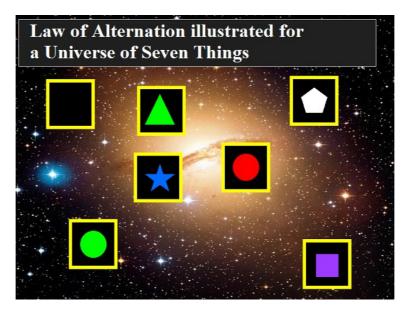
As the TOTAL Universe, the Set of ALL things, is thus TOTAL, COMPLETE, no thing really appears absolutely or disappears absolutely in the TOTAL Universe.

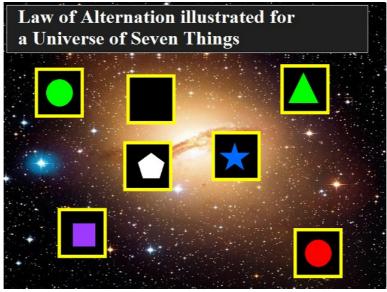
Indeed, if a thing appears absolutely in the TOTAL Universe, that means that he was not TOTAL, at least one thing was missing in him.

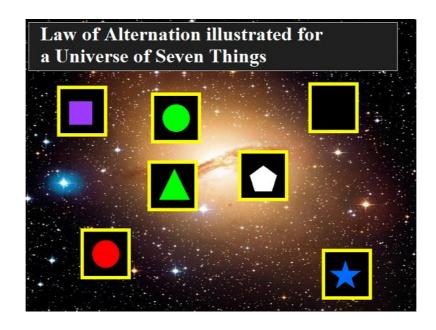
And conversely, if a thing disappears absolutely in the TOTAL Universe, he will no more be TOTAL, the Set of ALL things, because of that missing thing.

So, things only appear or disappear in limited contexts which are not the TOTAL Universe. Things change place, they evolve, they turn into other things, they are transformed, they rotate, they describe cycles, they permute their roles, in short, they ALTERNATE. But at the scale of the TOTAL Universe; the greatest Context, ALL the things exist.

Let us see this with an example of seven things, representing all the things in the TOTAL Universe:







As we can see it, the Universe (the seven things of the example, including the "Emptiness" or the "Vacuum" which is a particular and very important thing), is always TOTAL, COMPLETE.
But things permute, ALTERNATE.

In a given particular context (illustrated here with the yellow boxes), a thing X appears or disappears, is transformed in an other thing Y, and consequently a third thing Z becomes X in the Universe, in order that he continues being TOTAL.

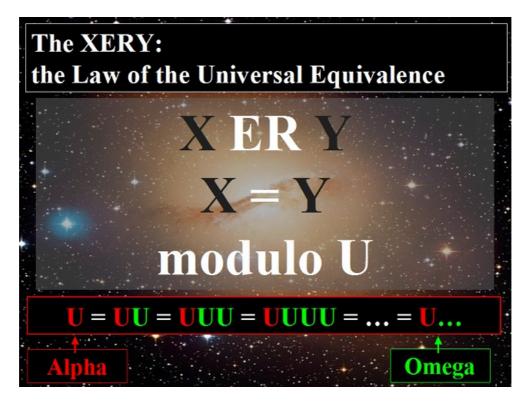
To appear or to disappear is simply to permute with the special thing which is the Emptiness.

That is how movement is possible.

Indeed, to say that X moves is to say that X disappears in a context and appears in an immediately close context. The succession of disappearances and reappearances is what we call the movement.

So the movement is a simple aspect of Alternation, which is the general Functioning of the TOTAL Universe.

More technically and more deeply, the ALTERNATION is simply an other manner to talk about the Universal Equivalence or XERY we saw in the previous video, the Truth 3...



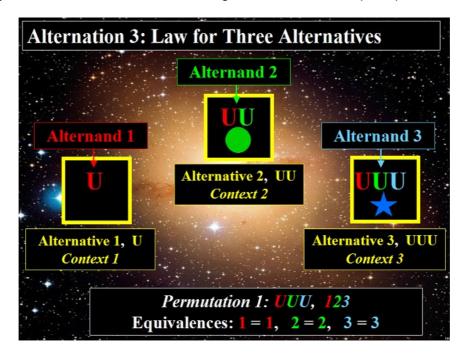
As ALL things are generescences, the ALTERNATION is simply a question of permutation and equivalence between generescences.

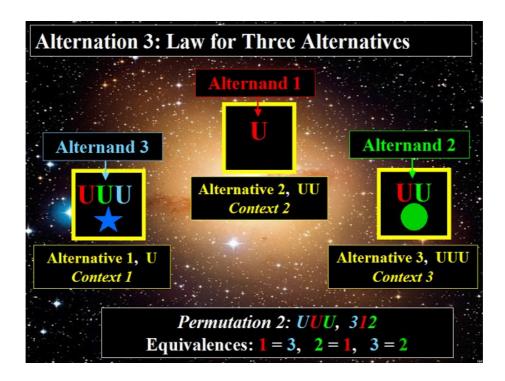
The generescences, as things in which other things can permute, are called the Alternatives or Contexts.

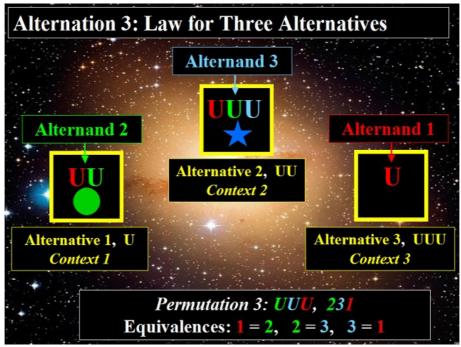
And the same generescences as things which permute in other things, are called the Alternands.

The Functioning is shown below with the example of the Alternation 3, the Alternation of the three first generescences.

The Alternation 3 needs 6 cases of permutation or 6 sets of equivalences, but we only show tree of them, that are enough to understand the principle.





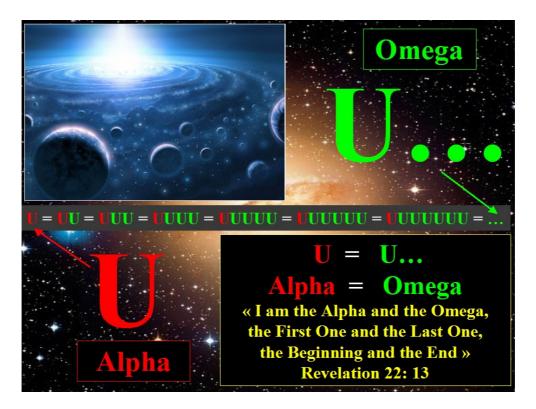


In Alternation 3,

we have precisely 3! = 6 possible permutations, so 6 possible sets of equivalences. In Alternation 7,

we have 7! = 5040 permutations, so 5040 possible sets of equivalences. The general formula for Alternation N is N!, that is to say the factorial of N.

The TOTAL Universe is the Alternation  $\omega$  (or Alternation Omega), all the Infinity of cases of permutations, of equivalences, He is the ALTERNATION, the TOTAL Reality.

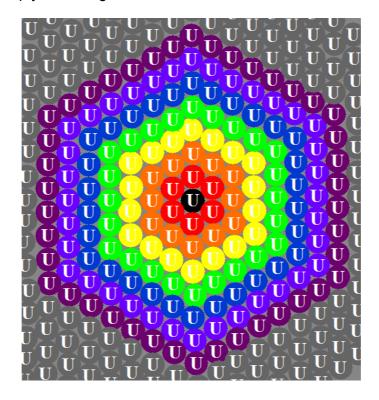


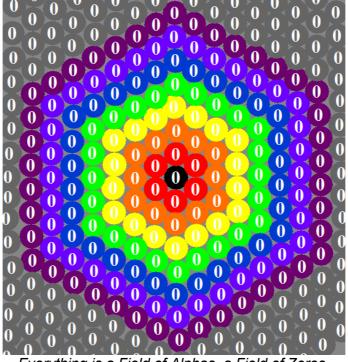
The Alpha, U, the smallest generescence, is what we call the "Emptiness" or the "Zero".

But it (he) is not the negative or the absolute conception of "emptiness" we usually have, that is not the current absolute Nothingness, which is paradoxical as the Negation is.

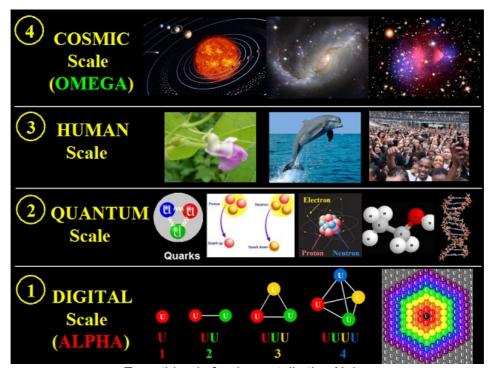
But the Alpha is SOMETHING, a POSITIVE thing like all the other ones. As we explained it in the video 2,

the Alpha is simply the same and one TOTAL Universe (the OMEGA) as the Element, the smallest thing, which simply has for role to allow us to say "Point", "Zero", "Empty", "Nothing", etc.



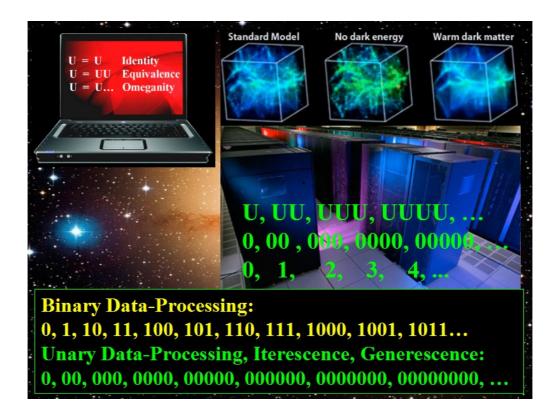


Everything is a Field of Alphas, a Field of Zeros.



Everything is fundamentally the Alpha,
ALL things are the generescences,
which permute, are transformed, evolve, move, live,
in short, which ALTERNATE.
The ALTERNATION is the Functioning
of the TOTAL Universe, the LIFE...

Because everything is fundamentally generescences, numbers, information, data, the TOTAL Universe is the greatest Data-processing, Physical and Biological System...



Consequently, where there is Negation of the TOTAL Universe or the violation of the ALTERNATION, things no more run smoothly, the Dysfunctioning appears...



Earthquake, Disaster

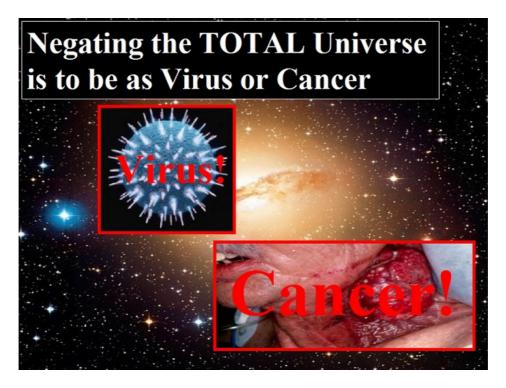






A being who NEGATES the TOTAL Universe or violates the Alternation functions exactly like a Data-processing or a Biological Virus in a System or a Body...





Let us remember this, please: we and all the aspects of our be

we and all the aspects of our being are generescences and elements of the great Machine or Organism of the TOTAL Universe. So, Negating, Denying, is not a simple act of our mind without consequences on ourselves, the Other things, the ALTER things, our environment, our world, our universe, etc.

For example, some one just negates here and a plane crashed at the other end of the world, or a Tsunami occurs, unless it is an earthquake...

And we cannot see the relation between the cause and the effect, simply because we were ignoring the ALTERNATION, the Nature and the Functioning of the TOTAL Universe.

Fortunately, we are not negating all the times, we some times have a positive action on things. And those among us who are especially positive, that is to say who have a mind of Alternation (although they some times run negatively) limit the consequences of the Negation due to the others ones, they prevent disasters, make that things evolve positively.

Thus, a pilot of aircraft in destress can suddenly have a good reflex, a good idea, to make a good decision which avoids a great disaster, without knowing exactly from where this good idea came to him. If he is a believer, he can for example say: "God gave me a good idea".

And it is true.

But what is necessary to also understand, is that "God" (in a special meaning) is the Set of all the psyches and the consciousnesses in the TOTAL Universe which functions with the Alternation.

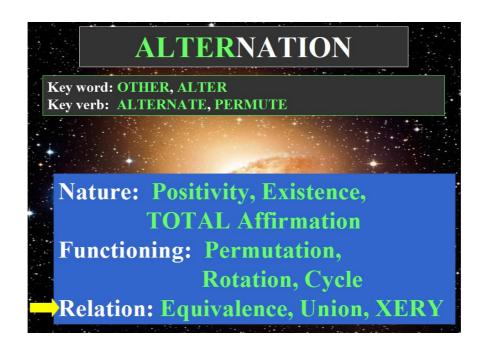
If it is not the pilot himself, somebody in his immediate environment, this world or at the other side of the Universe had a functioning, an action, of which the result is the good idea which came to him.

Therefore, our reality is the resultant of the actions of all things in the Universe, and especially of all psyches and consciousnesses of our near environment.

No thing is without importance.

but, simply, a positive thing can cancel the effect of a negative one or vice versa.

# Alternation the XERY, and Negation the Anti-XERY...

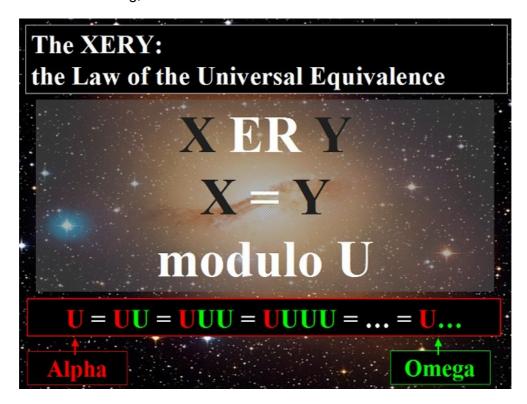


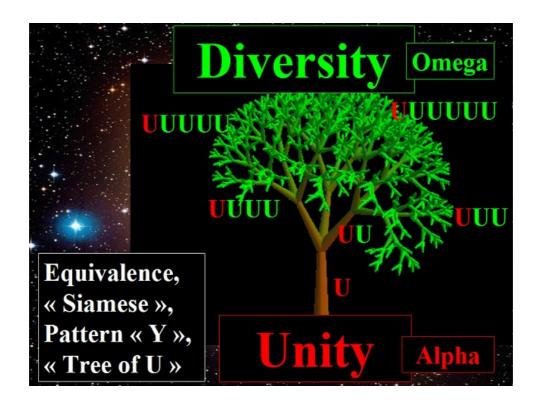
And now the last aspect of the Alternation: the RELATIONSHIP between things, and especially between people in a given society in the TOTAL Universe.

In that point of view, the Alternation is summed up by these words: Equivalence, Union, XERY, Love...

A Psyche of Alternation sees the Other, the Alter, as his Alternative, a simple Other manner of being Oneself...

As we saw it with the Truth 3, Difference is just necessary for the Diversity of things. But things are not separate, they are fundamentally the ONLY and SAME thing, U:







So, the Law of Alternation, the Equivalence or XERY, is simply the Law of Christ, the Law of ALTRUISM: "You have to love the Other, the Alter, as yourself".



Completely in opposition to all that, we have the Negation and all its train of relationship consequences...

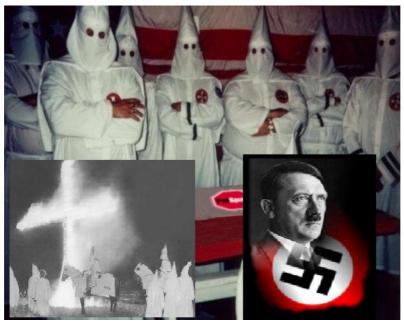
The Negation is oriented toward Identity, toward the Separation of things and beings, in short, the ANTI-XERY...



A Psyche of Negation does not conceive this: "The Other is Me". So, with that Psyche, we cannot conceive that to hurt the Other is to hurt Oneself, so we'll pay that evil sooner or later, in a way or in another one, in this life or in another one...

A world governed or dominated by these psyches is a world which is the exact opposite of the XERY,

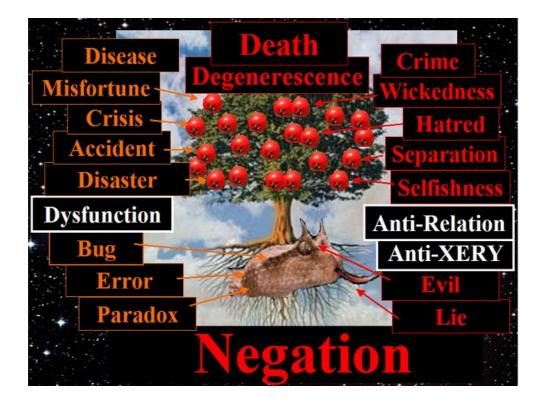
## where there are things like these ones:



HATRED, RACISM



WARS, CONFLICTS



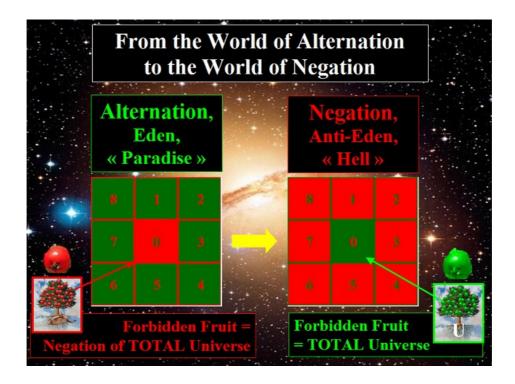
#### Tree of Life and Tree of Evil...

We saw above that the Alternation is the TOTAL Affirmation of the Universe, the Affirmation of the TOTAL Universe.

A World of Alternation is a World in harmony with the TOTAL Universe in whom everything exist, as we explained it above. So everything exist in that World of Alternation, everything becomes POSSIBLE where Alternation is fully running.

Consequently, the only thing which is impossible in a World of Alternation is precisely the thing which embodies the Impossibility, and that thing is simply the Negation.





Who permits everything consequently forbids one special thing: the Interdiction.

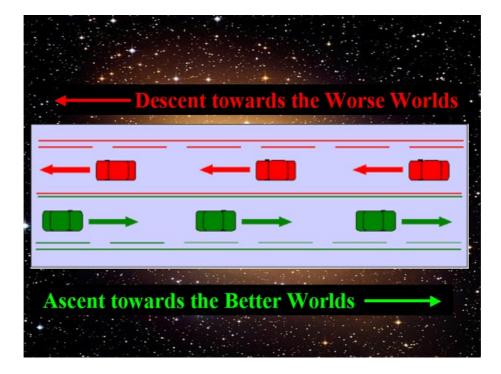
Where everything exist, there consequently does not exist only one thing: the one called the "non-existence", so the Negation.

But as everything exist in the TOTAL Universe, that means that the "non-existence" is embodied by one special thing. Choosing that thing makes fall in a Universe of Negation, where everything is completely opposite, like exactly our world presently.

There, everything exist except one special thing, precisely the TOTAL Universe, the Alternation. That kind of universes or worlds, which are simply the other Face of the same TOTAL Universe, make that, finally, everything exist in the TOTAL Universe and the contrary of everything too.

The ALTERNATION offers the possibility of its Negation, because it is also the Law of Liberty, of Free Will. Everyone can do the choice of Negation and leave the Paradise...





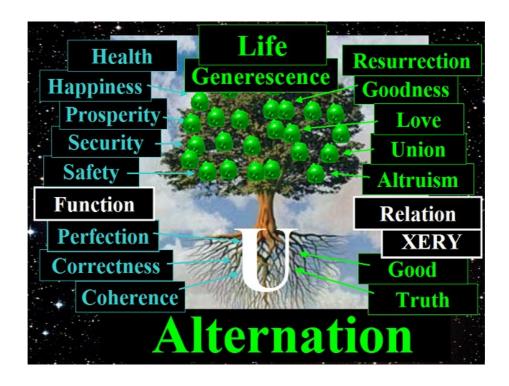
It is not because the Negation, the Evil, must also exist that we are obliged to embody that thing, and if it is the case, to continue embodying it.

The ALTERNATION also means... precisely "alternation", "alternating", "becoming an alter thing", "becoming an other thing", "change", etc.

So, the Time always comes where everyone can ALTERNATE, leave the Hell to come back to ALTERNATION, the Lost Paradigm...



The Times always comes, as it is the case now, where anyone can return to the Tree of Life...



Rendez-vous in the next video. We still have many things to learn on us, on our world, our past and our future...

