

Book Version of Seven Videos of the same theme.

# Book 3: Truth 3 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 <u>http://science-total-universe.org</u>, 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 3 (Book-Video 3)

#### Summary

- > Identity and Equivalence: the two conceptions of Equality p.5
- Equivalence, Cycle and XERY: the Law and the Functioning of the TOTAL Universe p.11
- > Equivalence, Union, Unity and the XERY, the Absolute Love p.27

#### Identity and Equivalence: the two conceptions of Equality ...

We saw with the Truth 1 that the TOTAL Universe is the SET of ALL things, the TOTAL Reality, the OMEGA, the INFINITY...



And we saw with the Truth 2 the TOTAL Universe is the ELEMENT of ALL things, the ALPHA, the Only One fundamental Constituent...



Everything is a Set constituted by that Unique Element, the ALPHA, U, the Generator of ALL things...

Everything is generated, engendered, created, by simple Iteration of the ALPHA, U. And we called the Generescences the different Iterations of the Alpha: **U**, **UU**, **UUUU**, **UUUUU**, **UUUUUU**, **...** 





We'll now understand another very important Law of the TOTAL Universe: the EQUIVALENCE.

Here is the statement of the Truth we are going to explain in this third video:



## Truth 3:

Truth 3: Two things X and Y, whatever is their Difference, are Equivalent, they are fundamentally the only and same TOTAL Universe.

There exist two notions of Equality: a very restricted one: the IDENTITY (X = X), and a very general and infinitely more powerful one: the EQUIVALENCE (X = Y)...





If for example we have a Red Ball and a Green Ball, we'll tend to see their difference of Color more than the fact that they are two Balls, so finally the same thing...



And if the two Balls are of the same Color, we'll tend to see their DISTINCTION or their SEPARATION more than their UNICITY (UNIQUENESS) or their UNITY...



That means that the notion of Equality we are currently functioning with is fundamentally the IDENTITY: X = X

0 = 0, 1 = 1, 2 = 2, 2 + 2 = 4, etc.,

and never

2 + 2 = 5 or 4 = 5

But it is with the EQUIVALENCE we have a full understanding of the Universe and things...

The EQUIVALENCE is to say that two things X and Y, although they are Different, are the SAME THING in a certain point of view called their Modulo or their Common Model.



#### Equivalence, Cycle and XERY: the Law and the Functioning of the TOTAL Universe...

At the most fundamental level of the Universe, everything is a simple matter of Equivalence between generescences. Each type of Equivalence is defined by a Modulo also called a Cycle...

The generescences Divisible by 2 (or whose gaps are it) are Equivalent:

UU = UUUU = UUUUUU = ... or: 2 = 4 = 6 = 8 = 10 = ...

That is the Modulo UU or Cycle 2.

In that Modulo or Cycle, we have also these Equivalences, because their gaps are divisible by 2:

**U** = UUU = UUUUU = UUUUUUU = ... or : 1 = 3 = 5 = 7 = 9 = ...

Simply, the Equivalence Modulo UU or Cycle 2 is the one between Even Integers or between Odd Integers.

In other words, according to the Modulo UU or Cycle 2, we have only two different numbers, namely 0 and 1. Even Numbers are all of the Family or Equivalent Class of 0; so they are the same thing in that Family and have to be seen as only one number: 0. And Odd Numbers all of the Family or Equivalent Class of 1, and they have to be seen as only one number: 1.

With the Modulo UU or Cycle 2 we begin the Binary Computing or Binary Data-Processing:



The generescences Divisible by 3 (or whose gaps are it) are Equivalent:

UUU = UUUUUU = ... or: 3 = 6 = 9 = 12 = ...

That is the Modulo UUU or Cycle 3.

In that Cycle we have also these Equivalences:

U = UUUU = UUUUUUU = ... or 1 = 4 = 7 = ...

and

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UU = UUUUU = UUUUUUUU = ...
or
2 = 5 = 8 = ...
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In other words, in that Equivalence we have only three different numbers or generescences: 0, 1 and 2.

We have three Families of Numbers or of Generescences, and the generescences in a Family or in a Equivalent Class are to be seen as only one thing.



And so on...

	<b>1</b> Jeu	<b>17</b> Sam
SEMAINE	2 Ven	<b>18</b> Dim
(WEEK)	3 Sam	<b>19</b> Lun
	<b>4</b> Dim	20 Mar
Cycle 7	5 Lun	21 Mer
	6 Mar	22 Jeu
	7 Mer	23 Ven
	8 Jeu	24 Sam
	9 Ven	25 Dim
	<b>10</b> Sam	26 Lun
	11 Dim	27 Mar
	12 Lun	28 Mer
	<b>13</b> Mar	29 Jeu
	14 Mer	<b>30</b> Ven
	15 Jeu	
	16 Ven	





What time is it? 3 AM or 3 PM? The question is asked because we know that both are Equivalent in the Cycle 12 or 24

And now the most important case of Equivalence, the Modulo U or Cycle 1.

ALL generescences are Divisible by 1, so are Equivalent according to the Modulo U or the Cycle 1:

U = UU = UUU = ... or 0 = 1 = 2 = 3 = 4 = .. It is the Equivalence between ALL numbers, ALL generescences, ALL things!

In the Modulo U or Cycle 1, everything is of the only one Family, one Equivalent Class, the Family or Class of the TOTAL Universe: U.

That is the Law of the Universal Equivalence, called the XERY, which simply means: "X = Y" or "X IS Y" or "X ER Y". « ER » is the technical verb which means: « To BE Equivalent to» or « To BE Equal in the meaning of Equivalence», or simply « To BE », but in the ontology of Equivalence.

The XERY or Universal Equivalence means that whatever is a thing X, and whatever is a thing Y, so whatever is their Difference, X and Y are fundamentally the same and one TOTAL Universe, U:



The XERY is a very strong and powerful Truth of the Universe which can be very difficult to understand for our current psyches of Identity and Separation.

Indeed, it is very, very difficult to conceive that all different things we are, and all different things we can see around us, are fundamentally the same and one thing: U.



So, numerically speaking, the Equivalence is the Equality of the type X = Y:

0 = 1, 0 = 2, 0 = 3, 2 + 2 = 5,etc.

Let us begin now understanding the deep secrets of the Universe, the Arithmetic and the Algebra of the Infinity, in the paradigm of Equivalence, the one of the TOTAL Universe.

The Infinity (OMEGA or  $\omega$ ) is not Identical to the Infinity Plus One, as 4 is not Identical to 4 plus 1, namely 5.

But the Infinity is Equivalent to Infinity Plus One, and any number X is Equivalent to X +1, because all numbers, all generescences, are equivalent in the Modulo U or Cycle 1: 0 = 1 = 2 = 3 = 4 = 5 = 6 = 7 = ...



So the Law of the Cycle 2, which is synonym to the fact that the Infinity is Equivalent to the Infinity Plus Two:



The same reasoning as above, except that the **shift** of the **Omega** is here **2** instead of **1**. So the **Law of the Cycle 2**. And so on...

The Equivalence is the FUNCTIONING itself of the TOTAL Universe. That Functioning is called the ALTERNATION, we'll begin understanding more deeply in the video 4.

The Equivalence and its synonym, namely the Alternation (like in Alternating Current), are very related to the notions of Cycle, of Rotation, of Vibration, of Wave, etc.



Generescence, Equivalence, Cycle, Alternation

The Algebra and the whole Science become very, very SIMPLE

in the paradigm of Equivalence...

For example, the famous Complex Numbers are no longer "complex" in their natural paradigm, the Equivalence:



The greatest Cycle is the Cycle Omega. It is the Equivalence: Alpha = Omega or  $0 = \omega$ , or Zero = Infinity





Let us call @ (Omega) the cardinal (quantity) of the set of natural integers {0, 1, 2, 3, 4, ...}. In the meaning of **Identity**, that **cardinal** is the **double** of the cardinal of the even integers {0, 2, 4, 6, ...} or of the cardinal of the odd integers {1, 3, 5, 7, ...}, since the first set is the **sum** of the second one and the third one. That is the first truth and it is very important. But the perfect correspondence one-to-one (bijection) between the three sets shows that their cardinals are Equivalent, they are the same cardinal *a* in the meaning of **Equivalence**. In other words, the **Infinity**, the **Omega**, is the **double** of himself in the meaning of **Equivalence**. In that Kingdom, the Alpha (the Zero) and the Omega (the Infinity), although they are necessarily Different in the meaning of **Identity**, are nevertheless the one and same **Omega** in the meaning of **Equivalence**. That is the Law of the Alpha and the Omega or the Law of the Cycle a.

With the Equivalence and the Cycle, the natural and normal paradigm of numbers, there is no more "Division by Zero Error"...







We now simply Divide by ZERO (ALPHA) to get the INFINITY (OMEGA) and vice versa:





We saw with the Truth 2 that the TOTAL Universe has a FRACTAL Structure. That Structure and its Algebra are a matter of Equivalence...

For example, we need three Fractals (or Triangles) of Sierpinski to make the Fractal of the upper scale. That is expressed by the following equivalences: 1 = 3 = 9 = 27 = 81 = ...





Many current concepts in mathematics and science are considerably simplified in the paradigm of Equivalence.

For example, the notions of **Infinity** and **Variable** (or **Unknown**) become the same notion. Precisely, the notion of **Infinity** becomes a simple particular case of the general notion of **Variable**.

Here is now the simple definition of a **Variable** in terms of **Equivalence**: "A **Variable X** is a **thing** which is **Equivalent** to any number in a set **E**, called the set of its **values**. Without any precision about **E**, the default **set of values** is the **TOTAL Universe**, **U**,

the Set of all things."

As any thing is a generescence and as all the generescences are Equivalent Modulo U, so any thing is in fact a Variable in the paradigm of the TOTAL Universe and the Equivalence.

That is why, from now on, the famous letter **X** is the symbol or a word of one letter to say "**THING**".

Precisely, the word in the Universal Set Language to say "**THING**" is "**Ux**", abbreviated **X**:

# **Universal Set Language**

- Color	T Et, Ut	L EI, UI	U, O, O Universum	X Ex, Ux	∀, A Au, Aut	=, E, R Er, Ur
	Ensemble	Élément	Univers Total, Complet	Chose	Tout Tous	Être
	Set	Element	Universe Total, Complete	Thing	All Every	(To) Be
	Menge	Element	<mark>Universum</mark> Gesamt, Völlig	Sache	Alle	Sein
<u>.</u>	Conjunto	Elemento	Universo Total, Completo	Cosa	Todo	Ser
*	Aro	Elemento	<mark>Universo</mark> Totala, Tuta, Plena	Aĵo	Ĉio	Esti
✡	קבוצה (Kvutsa)	איבר (Hiver)	היקום (Hayekum)	דבר (Davar)	הכ (Kol)	להיות (Lihyot)
*1	集合 (Jí_Hé)	分子 (Fèn_Zǐ)	宇宙 (Yǔ_Zhòu)	物 (Wù)	都 (Dōu)	乃是 (Nǎi_Shì)

The generescences: **U**, **UU**, **UUU**, **UUUU**, ... are the **Constants**, and their set, **{U**, **UU**, **UUU**, **UUUU**, ...**}**, is what we precisely call the **Omega** and note "**U**..." or simply  $\Omega$  ( $\omega$  in lowercase).

That means we talk about the generescence "**UUUUUUUU**..." where the Alpha, **U**, is repeated (iterated) indefinitely.

We can easily see that "**U**..." or **Omega** is greater than any **constant** (or particular generescence) fixed in advance.

It is the simple and intuitive definition of the **Infinity**: "An **Infinite** number or generescence  $\omega$  is a number which is greater than any number fixed in advance."

In other words, the **Omega** or the **Infinity** is a **Variable** which always take its values in the set of numbers (or générescences) greater than any number we fix in advance.

So, in the paradigm of Equivalence, the **Omega** or the **Infinity** is a simple particular case of the general notion of **Variable**.

And simply, since we talk about **Equivalence**, the two notions are now Equivalent.

All what we usually do with the Variables I, J, K, L, M, N, X, Y, Z, or with any other Variable, we can now do it with **Omega**. Now, to "solve an equation" is simply to get a certain Equivalence between  $\omega$  and a searched constant **a**, so to get a result of the kind:  $\omega = a$ . And if we solve the equation with **X**, we must not forget that a result of the kind **X** = **a** also means  $\omega = \mathbf{a}$ .

For example, if we have to solve: X = X + X, we usually do things like: X = 2X or 2X = X, so 2X - X = 0, so X = 0, and conclude that the solution is **0**.

But now, in the paradigm of the Equivalence, that result also means  $\omega = 0$  or  $0 = \omega$ , which is simply the **Law of the Alpha and the Omega**.

It was not completely exact to say that the equation X = X + Xhas only one solution, **0**. Indeed, that equation means that we are searching which are the double of themselves. **0** is one of them : **0** = **0** + **0**. But, as we saw it,  $\omega$ , the **Infinity**, the **Omega**, is also one of them:  $\omega = \omega + \omega$ .

Precisely the one which makes that the **0** has that property! Indeed, the **0**, the **Alpha**, is simply the **Omega** as **Origin**, or as the **Infinitely Small** compared to the **Omega**:  $0 = 1/\omega$ .

So, in fact, that equation X = X + X has at least two solutions, 0 and  $\omega$ , what we could not see in the old paradigm with X = 0, because we did realize that the Variable X and the Infinity  $\omega$  were equivalent.

Not only that, 1 is also a solution of that equation: 1 = 1 + 1 or 1 = 2, and that means the **Cycle 1** is also solution: 1 = 1 + 1, so 1 - 1 = 1, so 0 = 1.

And also 2 or the Cycle 2 is a solution: 2 = 2 + 2, so 2 - 2 = 2, so 0 = 2. And so on.

And we discover that, in fact, **0** is very far to be the only solution of that equation. In the paradigm of Equivalence and Cycle, he is only the trivial solution.

And from now on, we no more say that the equation X = X + 1 has no solution in the real numbers.

Indeed, that equation is simply the expression of the **Cycle 1**, the Modulo U, the Universal Equivalence, the XERY, verified by any number, any generescence: 0 = 1 = 2 = 3 = 4 = ...or U = UU = UUU = UUUU = ...

That is why that equation gives directly the Cycle 1 as solution: X = X + 1, so X - X = 1, so 0 = 1.

But we can choose to continue calculations as follows: X = X + 1, so X - X = 1, so 0X = 1, so X = 1/0.

And we usually say that we get an "impossible division by zero".

But in fact,  $\omega$ , the **Omega**, the **Infinity**, the **Variable**, is the number par excellence which satisfies that equation:  $\omega = \omega + 1$ . So, that equation is also simply saying this:  $\omega = \omega + 1$ , so  $\omega - \omega = 1$ , so  $0 \times \omega = 1$ , so  $\omega = 1/0$ . It is saying the simple truth that the **Infinity** is the **Inverse of Zero**. Logic, isn't it?

So, the equation **X** = **X** + **1** had no solution only in the paradigm of Identity.

But in the paradigm of Equivalence and Cycle, the natural and powerful paradigm of numbers, not only the Infinity,  $\omega$ , is the trivial solution, but any real number is also a solution, because of the Cycle 1, the Modulo U, the Universal Equivalence, the XERY.



We now need to get rid of our philosophy of the equality which is reduced to the only Identity. The Identity is very important and useful, but it is only a particular case of the Equivalence. So it becomes very bad if we only think in terms of Identity.

We must abandon our usual automatisms of the identity,

like:  $0 \cdot X = 0$ , for example  $0 \times 5 = 0$ . This is only a part of the truth, the trivial one. But as 0 = 1, we have also  $0 \cdot X = 1$ , for example  $0 \times 5 = 1$ . And as 0 = 2, we have also  $0 \cdot X = 2$ , for example  $0 \times 5 = 2$ , etc.

The result depends on the Cycle we consider.

And also:

2 + 2 is not obligatorily 4. This is only the trivial result, the one of the Identity, of the Cycle 0. The other cycles proposes us also their results: 5 for the Cycle 1: 2+2=5 or 4=5 or 0=1 6 for the Cycle 2: 2+2=3 or 4=6 or 0=23 for the Cycle -1: 2+2=3 or 4=3 or 0=-1 or 1=01 for the Cycle -2: 2+2=1 or 4=2 or 0=-2 or 2=0 etc.

We must abandon the idea that a calculation must necessarily give only one result, even no result, in the case of 1/0 for example.

It is as to say that if I leave Paris, I have obligatorily only one possible destination in the Universe or the world, even no possible destination.

But the paradigm of equivalence is like asking us when we buy a travel ticket at Paris: "You have all the destinations possible in the world. Where do you want to go?

By where do you want to pass? Do you want to make the voyage only by plane, or do you want a part of the travel in the train, another with bicycle, another on the back of camel? Everything is possible with our company."

To have several possible results for a calculation, or several possible solutions for a problem (and in particular an infinity of solutions), is not a problem. The real problem is to have no solution or to have one solution imposed, without any possibility of choice.

The paradigm of Equivalence is the paradigm of Liberty and Free Will, where we have now Choice.

With the Paradigm of the TOTAL Universe and of Alternation (as we'll begin understanding it starting from the next video) we are entering a new reality where everything become possible, where things will be how we want them to be.



We up to now mainly spoke about Equivalence on the mathematical level, the level of numbers.

#### Equivalence, Union, Unity and the XERY, the Absolute Love...

And let us see now the Equivalence on a plan even more PHYSICAL: a very important truth in the TOTAL Universe is that two things X and Y are never absolutely physically separate, but they are "Siamese"...

Indeed, despite all the apparent separations, there always exist a scale or a level where the two things X and Y join and become ONLY ONE thing...

The EQUIVALENCE obey to what we call the Pattern "Two in One", or the Pattern "Y", or again the Pattern "Tree", very fundamental in the TOTAL Universe...



The TOTAL Universe is like a Tree whose Root is the ALPHA, U. That Common Root makes the Unity between the Diversity of things, it makes that they all are Equivalent: U = UU = UUU = UUUU = ...





We'll talk again of it in the video 4

More generally, ANY generescence M is the Root of the Tree of the M, the generescences which all are Equivalent to their Common Root M: M = MU = MUU = MUUU =...



M is the MODULO or the MODEL.

It is what we call in languages a "Common Name",

as for example: Particle, Atom, Star, Dolphin, Man, Woman, etc.



For example, two Electrons X and Y are Different, but both belong to the same Tree of Electrons, which makes them Equivalent at that point of view...



The Equivalence is the General Law of the TOTAL Universe, at all scales and levels, from the Infinitely Small (ALPHA) to the Infinitely Large (OMEGA)...



Two things X and Y, despite their Difference, are always Equal in the regard of a certain Modulo or Common Model, designated by a Common Name, as for example Dolphin...



Failing this, the two things X and Y are always Equivalent Modulo U, and that means they are in the Tree of U, their Model is the most general Common Name, the model named "THING", the Model synonym to the Universal Equivalence, the Cycle 1 or generescences, the most fundamental XERY....



Besides being equivalent modulo U (that is to say as THINGS) Man and Woman are Equivalent Modulo Human...



Whatever is their Difference: Sex, Color, etc, two human beings X and Y are Equivalent Modulo Human...



As summary of all that: ANY thing is in the TOTAL Universe...

And conversely, the TOTAL Universe is in ANY thing and ANY being...

The TOTAL Universe is ANY thing and ANY being, because ANY thing is made of the ALPHA, U, who is also the OMEGA...

So, the Name of the TOTAL Universe is: "I am the Alpha and the Omega" or: "I am X and Y"...





The TOTAL Universe is the Supreme Consciousness who says "I" or "I am"





The XERY is the Absolute Love, what some call: "Unconditional Love"

# The TOTAL Universe, the Supreme Being, is XERY... «GOD is Love» (I John 4 : 8)

Join us, please, in the next video, where we'll begin having a better understanding of our world, our past and our future, in the Light of the Paradigm of the TOTAL Universe...

