

## **A SUMMARY of the documents published on the website:** **[www.uiteerwijkwinkel.eu](http://www.uiteerwijkwinkel.eu)**

### **-) Acknowledgments:**

The author would like to thank the following people:

- Franklin Roos for his critical comments on the content and for the many discussions,
- Adarshi Yadava for making the wonderful figures contained in the documents,
- Arun Yadava for designing the beautiful website,
- Those who have translated the – sometimes complicated - documents from Dutch to English.

### **-) The scope of the website:**

On the website [www.uiteerwijkwinkel.eu](http://www.uiteerwijkwinkel.eu), the author aims to describe:

#### **a) The origin of gravity and thus the origin of gravitational energy.**

Gravity is generated from the shell-electrons of atoms in combination with the velocity of the atom in the universe. Gravity is not related to the deformation or curvature of space and time. For the explanation of gravity and custom gravity formulae see **Documents E3 and E3-1**.

#### **b) How matter has been organized in the universe.**

The author's considerations range from the smallest imaginable Higgs level with Higgs particles to protons and electrons, as well as the elements of the periodic table and the system for black hole atoms. He has developed the properties, forces and bonds that ordinary atoms, black hole atoms and extremely compact bodies have. The physical and chemical forces as well as gravity in atoms arise exclusively through the daily movements of the atoms in the universe and the added kinetic energy to their shell-electrons. This is elaborated in **Documents F1d and F1e**.

#### **c) How the universe has been organized.**

The universe goes through an energy-neutral cycle of 29 phases. This cycle can be modeled mathematically and thereby completely quantified. Without the mathematical model the duration of one cycle is now estimated at about  $2$  to  $3 \times 10^{12}$  years.

The universe repeats almost exactly the same cycle endlessly.

Today we are living in **phase 23** of the cycle of the universe. The author's description is inconsistent with the Theory of Relativity and it will, in time, replace **Einstein's** theory and thus change the foundation of science. The cycle of the universe is described, in detail, in **Documents G7 and G8**.

#### **d) All living matter in the universe has been based on the same biochemistry:**

In **documents B1, B2, B3 and B4** the author has established that all forms of life in the universe are based on exactly the same biochemistry as can be found in living matter on earth. See the **biochemical overview of Biochemical Pathways and the Recon2 model**.

Based on the periodic table, only one biochemical system is possible in the universe and it can be seen on earth.

Living matter can develop quite *spontaneously* anywhere in the universe on all planets comparable to earth which has a water covering of 40 to 80% and when the air pressure is between 0.8 to 1.5 bar. However, the number of life-sustainable planets is approximately ten to a thousand in each galaxy. Life is extremely rare but it is, presumably, omnipresent in the 4 – 20 billion galaxies in the universe.

**e) Revised documents:**

The **documents contained in sections A, C, E, F and G** were revised and partly extended in 2014/2015 and the system of physical and chemical forces has been simplified. The physical forces, mentioned before, appear to be derived from, the Van Der Waals force / London force. The **documents in section C** have now been incorporated into the **documents in section F**.

**-) Documents in section F: From higgs particle to atom:**

**Document F1a 2014** describes the four smallest possible higgs mass particles on which all matter in the universe has been based. These are:

- a) the two super symmetric higgs protons, the basic building blocks of the anti- proton;
- b) the two much smaller, also super-symmetric Higgs electrons, building blocks of the anti-electron. See **Figure 1c** in **Document F1a 2014**.

According to Uiterwijk Winkel these four 'low' energy higgs particles generate:

- 1) (anti) mass,
- 2) a positive or negative electric charge and
- 3) a magnetic spin  $\uparrow$  and  $\downarrow$ .

These four elementary higgs particles do not generate gravity!

The four 'low energy' elementary higgs particles are not found in particle accelerators between the 'high energy' collision products.

**-) Document F1b** describes the majorana particles. They include the frankinos = neutrinos and photons. The majorana particles are composed of an equal number of ordinary Higgs as well as anti-Higgs particles. These majorana particles are real particles and even though they have a spatial structure, they do not have a measurable mass, charge or spin. Within the majorana particle, the mass, charge and magnetic spin neutralize one another and are therefore quantitatively zero! They are electrical dipoles and magnetic quadrupoles. Majorana particles have led to many misconceptions in science.

**-) Document F1c** discloses that all neutrinos and photons in the universe have been re-transformed into anti -protons and anti-electrons during a time span of 14 to 18 billion years. In the same time frame, mass has also turned into matter. Matter only arises when rotational energy is added to the construction of the neutrinos and photons -  $E = \frac{1}{2}mc^2$ . This results in a rotation with the speed of light moving clockwise or anti-clockwise and in normal matter or anti-matter.

However, the universe is entirely based on ordinary protons and electrons. These two building blocks are completely made up of the four 'low-energy' Higgs particles as described in **document F1a 2014**.

**-) Document F1d** describes the build-up of the elements of the periodic table during the fusion of the hydrogen plasma and with the only building blocks of protons and electrons. It also describes how, whereby and which physical and chemical forces are generated in the elements of the periodic table.

The physical, chemical and gravitational forces develop through the movement of atoms in the universe and are generated solely from the shell-electrons of atoms. These forces arise

solely as a result of the velocity of the atom in the universe or by the 'added' kinetic energy to the atoms.

These forces and their bonds consist of the same number of underlying components as the number of speeds of the earth (celestial body) within the universe.

-) **Document D1** discusses the structure of the physical and chemical forces as well as the structure of their bonds. These physical and chemical bonds on earth consist of as many underlying components as the number of speeds the earth is subjected to in the universe. If all the speeds of the earth were known, then all the physical and chemical forces, including their bonds, could be analyzed with regard to their relevant speed-related components. With this information the 5 to 9 components of all physical and chemical forces including their bonds and those of gravity, could be *quantitatively* detailed.

-) **Document F1e** describes the transition from ordinary atoms to black hole atoms. In this document, the physical properties of black hole atoms and of black holes themselves, are derived and described.

-) **Document F1f** describes the **minimal and maximum one principle (min/max1)**.

All particles in the universe with mass or matter are generally characterized by:

- 1) at any one moment all the sub-atomic particles, atoms and molecules could occur in one physical, chemical and energetic defined state. This situation represents all the physical and chemical forces and bonds on the particles;
- 2) at any one moment and on any particle only one physical, nuclear or bio -chemical change could happen within the present and defined system of forces and bonds.

The min/max1 principle guarantees absolute and orderly behavior of all physical and nuclear processes and all bio-chemical reactions.

The min/max1 principle excludes quantum entanglement over long distances!

-) **Document G: the universe and the cycle of the universe:**

The universe expands and contracts periodically. This is directly connected to the cycle of the universe.

-) **Document G2** describes the phenomena of space as viewed from the universe and from the cycle of the universe. Space and time are inextricably linked to this cycle. The time and space of the cycle of the universe are described differently to that in Einstein's relativity theory. Time and space are both finite. Each period of the cycle of the universe lasts exactly the same amount of time. At the end of each period 'the clock is reset'. This process is never ending. The maximum expansion of the universe and the maximum space of the universe is 3.0 to 3.5 billion light years around the center (C) of the universe. The shape of the universe is spherical which, by definition, is curved. The curvature of the universe is independent of gravity!

-) In **Document G3** the 12 parameters of the universe is mentioned and described.

All 29 phases are described on the basis of the 12 parameters, as well as the transitions between these phases. The driving forces of the 29 phases and their transitions are also mentioned and detailed.

-) **Document G4** mentions the nine boundary conditions of the universe as expressed in the nine laws of the universe that apply to the universe as a whole.

-) **Document G5** describes the seven errors in the principles of the Theory of Relativity. The seven errors regarding the principles of this theory cause it to topple. As a result of these mistakes this theory can no longer be maintained in the foundation of science. The theory of relativity will now be replaced by the cycle of the universe and its mathematical model..

-) **Document G6** describes the super cold Little Bang which indicates the beginning of the universe and occurred 40 to 45 billion years ago. The previous cycle of the universe ended when all the mass, matter and kinetic energy of the universe were gathered in a gigantic black hole with a radius of about 50 million km.

Prior to the Little Bang and at the end of the previous universe, the contraction rate fell further away. Thus the linked contraction gravity of the Little Bang black hole also fell away until the gravity reached the **Critical black hole gravity** or **Cribhgra**. At that point the Little Bang black hole became unstable and fell apart in an equal number of protons and electrons in four phases.

Thereafter, the universe expanded by a third to a half of the speed of light and in the form of spherical single layers which were one proton and one electron thick.

According to the author, the universe does not start from a singularity or expands within the speed of light without any form of inflation! As long as atoms are absent, gravity and thus gravitational energy are also not present in the universe. It was only 5 to 10 billion ( $10^9$ ) years after the Little Bang that the protons and electrons got together and formed the hydrogen atom and hydrogen molecule. It was only as a result of the hydrogen atom and molecule that, amongst others, gravity and the phenomena gravitational energy relating to the point of Little Bang and center C of the universe, returned!

This *added and free gravitational energy* is the driving force behind every cycle of the universe! Scientists are currently searching for this 'dark' energy and it is actually none other than this: added gravitational energy produced by hydrogen! This 'dark' energy has been declared completely logical since 2007.

-) **Document G7** describes the 29 phases of the cycle of the universe starting from the Little Bang. We are currently in **phase 23** of this cycle which has now lasted between 40 and 45 billion years so far. The present universe is much older than assumed and has a much longer history than the existing perception of 13.8 billion years!

All galaxies, with their own hydrogen supernova explosion or Big Bang, started in **phase 16**. It was only after the, above mentioned, Big Bangs that the 2 to 4 spiral arms of the galaxies occurred.

The author's cycle of the universe consisting of 29 phases can be modeled mathematically. Based on the mathematical model the past, the present and the future of the entire universe can be calculated quantitatively. The realization of this model of the universe could be initiated as early as 2016.

-) **Document G8** contains *approximately one hundred figures* that belong to the cycle of the universe as described in **Document G7**.

The figures were made by **Adarshi Yadava**. The author provided the explanations to all the figures.

The Little Bang and the supernova explosions in the early galaxies (**phase 16**) are all represented on the figures as well as the next 400 to 450 billion years of the universe. At the end of this period, the universe will have reached its maximum expansion of 3.0 to 3.5 billion

( $10^9$ ) years. (From Earth, we always look through the thin universe-sphere-shell of hydrogen and helium gases). In approximately 400 to 450 million years the universe will again contract towards the center (C) of the universe and the formation of a new Little Bang black hole. This process will last for 2.0 to 2.5 trillion ( $10^{12}$ ) years.

The free additional gravitational energy, which was previously gained, will now be fully consumed during the contraction in order to slow down the acceleration to a constant contraction speed. Even though the contraction lasts a very long time, it will prevent a Big Crunch.

-) **Document G9** indicates that, in time, all the physical and chemical forces of atoms, and the corresponding physical constants, change slowly and quantitatively. Only the elementary charge and magnetic spin of the proton and electron and their physical constants are real constants. The change in the remaining forces and natural constants of atoms have also affected the electromagnetic radiation emitted by the atoms in the past!

-) **Document G10** describes the minimal deviation which occurs in all forms of electromagnetic radiation and particles in the universe as a result of an extremely low concentration of hydrogen present in the universe-sphere-shell between the galaxies. Within the galaxies, extremely low concentrations of both hydrogen and helium gas are present in the intergalactic and interstellar space. These gases, together with electrical and magnetic fields around the stars and galaxies, ensure that all forms of electromagnetic radiation are deflected in such a way that all radiation is forced to continue to only move within the universe-sphere-shell. Therefore, no radiation can escape except gravity but the radiation does not contain any mass, matter or kinetic energy.

As a result of this slight deflection the universe represents a closed system for all forms of electromagnetic radiation and the mass, matter, charge, spin and kinetic energy which are present.

This slight deviation of light in the universe, causes a delay of billions of years before we can perceive the deep universe, but only through the curved universe-sphere-shell of hydrogen and helium. This tiny deviation also ensures that all images from the deep universe are completely virtual and distorted. However, these beautiful virtual images have totally misled astronomers for years.

### -) **Documents B : all life in the universe is biochemically identical:**

-) **Document B1** infers that, both top-down from *Biochemical Pathways* as well as bottom-up, all possible molecules from all forms of life in the universe are based on biochemical binding schedules of the *Biochemical Pathways*; later known as the Recon2 model.

The periodic table allows only one single biochemical system. As a result, living matter can develop spontaneously anywhere on the earth, and on planets which are comparable to the earth. It is estimated that each galaxy contains approximately ten thousand planets with living matter. Life is rare but can be present everywhere and in all galaxies!

With regards to the stability of the hydrogen bonds in the DNA / RNA and the formation or decomposition of proteins, the rate of living matter in the universe is limited to a maximum of approximately 300 km/s with respect to the earth, or one thousandth of the speed of light. Thus bridging one light year in space requires about a thousand years! Mankind will never be

able to reach other stars, let alone the planets which exist there where humanity would be able to settle after they have completely ravaged this planet!

-) **Documents B2, B3 and B4** are shorter summaries of **B1**.  
**B4** explains why phosphorus cannot be replaced by arsenic.

-) **Document J1: The 25 questions of David Gross**

In **Document J** the author gives answers to the 25 questions posed by David Gross.

-) **Document J2: The faults in the fundament of Science**

**So far, in 2016, the author has not yet received any serious response from the field of exact sciences.**

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