

Formulas for Dark Energy, Dark Energy Force and Dark Matter Force in the Hologram Universe.

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Abstract.

In a series of cascade written articles my new formulas give new insights in what dark energy, dark energy force and dark matter is. These unknown features of the universe appear to belong in a new cosmological model, the RTHU (the Rotating Torus Hologram Universe). In a review is given how dark energy is a variable energy in the RTHU, instead of being constant, as in the classical Big Bang universe. Here constant means that the expansion-accelerations of all the observed objects in space-time have the same value. But observations show this is not true. Therefore I bring forward that dark matter is not dark matter. Dark matter is a force: A dark matter force from below the Planckborder. So, this is mathematically involved in the RTHU. Its implementation is explained in this article and it shows dark energy depends on the dark energy force. The combination of both emerges shifted materialized holograms, all being part of the RTHU. In the RTHU dark matter force is based on subquantum-gravitation-particles ('duo-bits'), which change the dynamics of the quantum-particles. Hereto I published a paragraph "DAN's Art Symbol of the Hologram Age" in order to promote my RTHU, and because I also make paintings. In an extensive way I show how several dimensional characteristics can be based on simply algebra and a new physics-concept for the conservation of information in order to describe a new cosmological model. This is consequently performed in all of my articles. Moreover I have added a figure for a machinery to make use of the features of this new cosmological model, which I named: The 'vacuum-helicopter'. This instrument is based on my formulas for traveling in the Hologram World. In classical terms we call such an 'ufo'. The "vacuum-helicopter" bypasses space-time of General Relativity through 'refined-time'.

DAN's Art Symbol of the Hologram Age.

In my latest article^[2], named "DAN's articles about the Hologram World", the dark energy Y , the dark energy force F^2_{de} and the dark matter force F^2_{dm} are related. Derivations had taken place earlier in former articles. Through this I know what dark energy, dark energy force and dark matter force is.

This is said on purpose, because in a lot of scientific articles the classical Big Bang universe is established over and over again as still the ultimate model. But that is not true. The Big Bang universe is not a fundamental universe. So, firstly I promoted my statements as a **Letter**, as follows:

Letter.

My name is Dan Visser, independent cosmologist and art-painter, born in 1947. I sign my paintings with DAN, living in Almere, the Netherlands, April 14 2020.

Mostly art-painters are socially engaged through their painting-expression, and sometimes politically too, but that is not valid for me. My motivation is based on the content of my articles about the “Hologram World”, which inspires me to make scientifically-engaged paintings. This is rather rare, so collectors, musea and scientific institutions should open an eye on me and invest in my paintings by buying them.

The “Hologram World” replaces the classical Big Bang universe. This means the universe can be marked with a new origin, shape and dynamics. This enables to make better interpretations about what dark matter and dark energy is. My articles are hosted in the vixra.org archive in the category ‘mathematical physics’, however, only little complex-mathematics has been involved, because I used basic algebra and a new physics-concept to conserve information.

I painted in different styles throughout the past years. Then I attached the keyword “duonism” to my painting-style. In the last few years I related that to “duo-bits”, which feature the “Hologram World” and mark what a “5th- fundamental-force” is by generating subquantum-information-dynamics causing the quantum dynamics to change. In this way gravitation had to be extended.

The “duo-bits” and “5th-fundamental-force” are related to dark matter and dark energy. Through my articles I pretend to know how their main-features looks like. Dark matter is a force with a torus-shaped energy, only time-dependent with ‘time smaller than the Planck-time’. Dark energy is a torus-shaped constant volume-flow, also time-dependent with time smaller than the Planck-time. This refined-time for both can go forward or backward by the rotation of the torus. Everything below the Planck-border is involved in the “Hologram World”! A print of L_x -T measurements (Luminosity in X-rays and Temperature) published by the A&A on inter-galaxy-cluster-space shows evidence of how different expanding-rates in the classical Big Bang Universe can be correlated tot this Rotating Torus Hologram Universe (RTHU).

My recent painting is one that shows a ‘person’ embedded in a part of the “subquantum-gravitation-network”, however, i don’t know that person. If their is somebody who feels associated to this, call me on phone-number: 0031 36 54 99 701. And who is interested in more details could visit my website (www.darkfieldnavigator.com). In the web-frontpage you find the link to the ‘overview of my articles’.

“Motto: How do you find your way in the “Hologram World”. Well I think on one hand, you observe a dismantling world, and on the other hand the world is rebuilding. You are part of both. You feel the ‘time-jump’. You make the best of it.”

DAN.

Details for Y , F_{de}^2 , $\pm T_{dm}$ and F_{dm}^2 in the new comological model RTHU.

The reference to dark energy Y , dark energy force F_{de}^2 , the energy-tensor to extend general relativity $\pm T_{dm}$ and dark matter force F_{dm}^2 , goes back to the beginning of my articles. I refer for practical reasons only to the some of the recent articless [2, 3, 4,]. From these articles a formula for dark matter force shows the necessary of involvement of a domain below the Planckborder involved in the RTHU.

A. Firstly I show my basic-formula:

$$Y = F_{de}^2 = (F_N^{G=1})^2 \left[(m^2)^2 \right] \otimes F_{dm}^2 \left[\left\{ \left(\frac{m^2}{s} \right)^3 \right\}^2 \right] \quad (1)$$

Herein F_{de}^2 is derived as a new concept for the conservation of information according to my thought-experiment of 2004 and published in retrospective in 2010.

Equation (1) has four fundamentals, as follows:

1. The Planck-force $(F_N^{G=1})^2 \left[(m^2)^2 \right] = 1$ and is a unit for the Newton force at G=1;
2. Dark energy Y and Dark energy force F_{de}^2 protect the conservation of information by staying constant at 1 ;
3. It appears that the production of quantum-mass-particles in experiments, such as e+ (positrons) and e- (electrons) are generated from the dimension of the 5-the (fundamental) force, which I call the dark matter force F_{dm}^2 , and which only exists in the subquantum (sq)-gravitational-domain below the Planckborder. This domain is involved in the RTHU);
4. In my articles this 5-the force is theoretically applied to get the dark matter force-particle by using the factor $n^2 \left[\left(\frac{1}{m} \right)^2 \right]$ to explain why this leads to the decay into e+ and e-. For reference of these four fundamentals use [\[2,3,4\]](#).

This fundamentals give the formula:

$$Y = F_{de}^2 = 1 = n^2 \left[\frac{1}{m^2} \right] (F_N^{G=1})^2 \left[m^2 \right] \otimes \frac{1}{n^2 \left[\frac{1}{m^2} \right]} F_{dm}^2 \left[\left\{ \left(\frac{m^2}{s} \right)^3 \right\}^2 \right] \quad (2)$$

From this follows (3), (4) and (5):

$$Y = F_{de}^2 = 1 = n^2 (F_N^{G=1})^2 \otimes F_{dm}^2 \left[\frac{1}{m^2} \left\{ \left(\frac{m^2}{s} \right)^3 \right\}^2 \right] \quad (3)$$

$$Y = F_{de}^2 = 1 = n^2 (F_N^{G=1})^2 \otimes F_{dm}^2 \left[\frac{m^{14}}{s^6} \right] \quad (4)$$

$$sqF_{dm}^2 = \frac{Y}{n^2 (qF_N^{G=1})^2} \left[\frac{m^{14}}{s^6} \right] \quad (5)$$

From this follows:

$$sqF_{dm}^2 \left[\frac{m^{14}}{s^6} \right] = \left[\left(\frac{m^2}{s} \right)^7 s \right] \text{ is a 7D surface-flow in time, but can be rewritten with the} \quad (6)$$

$$\text{dimension of } \pm T_{dan} \left[\left(\frac{m}{s} \right)^6 = J \frac{m}{s^2} \right] \text{ according to my article}^{[4]}, \text{ as follows:} \quad (7)$$

$$F_{dm}^2 \left[\frac{m^{14}}{s^6} \right] = \left[\left(\left(\frac{m}{s} \right)^6 \right)^2 m^2 s^6 \right] = \left[\left(J \frac{m}{s^2} \right) \left(J \frac{m}{s^2} \right) m^2 s^6 \right] = \left[(Jm^2)(Jm^2)s^2 \right] \quad (8)$$

This is easier to imagin dimensionally. It is a torus-force, which exists of 'duo-bits' (which are energy-surfaces $[(Jm^2)(Jm^2)]$) They rotate left or right in time. The torus-force contracts or expands due to its torus-rotation (see fig. a).

- B. The dark energy can also be formulated dimensionally. This is done without applying the factor n^2 (as mentioned in the four fundamentals). Hence, the absence of quantum-gravitation is applied.

This gives the formulas (9):

$$Y = F_{de}^2 = (F_N^{G=1})^2 \left[(m^2)^2 \right] \otimes F_{dm}^2 \left[\left\{ \left(\frac{m^2}{s} \right)^3 \right\}^2 \right]$$

$$Y = (F_N^{G=1})^2 \otimes F_{dm}^2 \left[\left(\frac{m^2}{s} \right)^8 s^2 \right] \quad (9)$$

$$Y = (F_N^{G=1})^2 \otimes F_{dm}^2 \left[\left\{ \left(\frac{m^3}{s} \frac{m}{s} \right) \left(\frac{m^3}{s} \frac{m}{s} \right) s \right\}^2 \right]$$

The dimensional gemeotry shows a torus filled with a volume-flow within the torus. This volume-flow is driven by an orbit-velocity due to the torus-rotation. Hence time (s^2) goes either left or right (see fig. b).

An observer located in this volume-flow, who fancy to exist in a classical Big Bang universe, experiences several torus-accelerations during scanning of the background spacetime (whether the scan is fully or partially doesn't mater). So, whatever time-direction is assumed the dark energy for the observer is:

$$\sqrt{Y} \left[\left(\frac{m^3}{s} \frac{m}{s} \right) \left(\frac{m^3}{s} \frac{m}{s} \right) s \right] \quad (10)$$

As earlier said, because n^2 is not part of the equation, the dark energy is without the influence of quantum-gravitation. Hence the observer considers empty vacuum (besides some quantum-fluctuations). So, yet in order to involve quantum-gravitation the $n^2 [1/m^2]$ must be applied in the equation.

From that follows:

$$Y = n^2 \left[\frac{1}{m^2} \right] (F_N^{G=1})^2 \otimes F_{dm}^2 \left[\left\{ \left(\frac{m^3}{s} \frac{m}{s} \right) \left(\frac{m^3}{s} \frac{m}{s} \right) s \right\}^2 \right] \quad (11)$$

It accordingly changes the observed dark energy in:

$$\sqrt{Y} \left[\left(\frac{m^3}{s} \right) \left(\frac{m^3}{s} \right) \right]; \text{ see again fig. b. (there only a 'dark flow').} \quad (12)$$

That is exactly what is observed by classical Big Bang fan's. But it is not the whole truth! After looking at both figures (a and b) I refer back to the observations of different expansion-accelerations in the classical Big Bang universe by stating again the anomaly that the Big bang is not isotrope (see the email tot he University of Bonn), K. Migkas, about the observations of L_x -T data in galaxy-clusters.

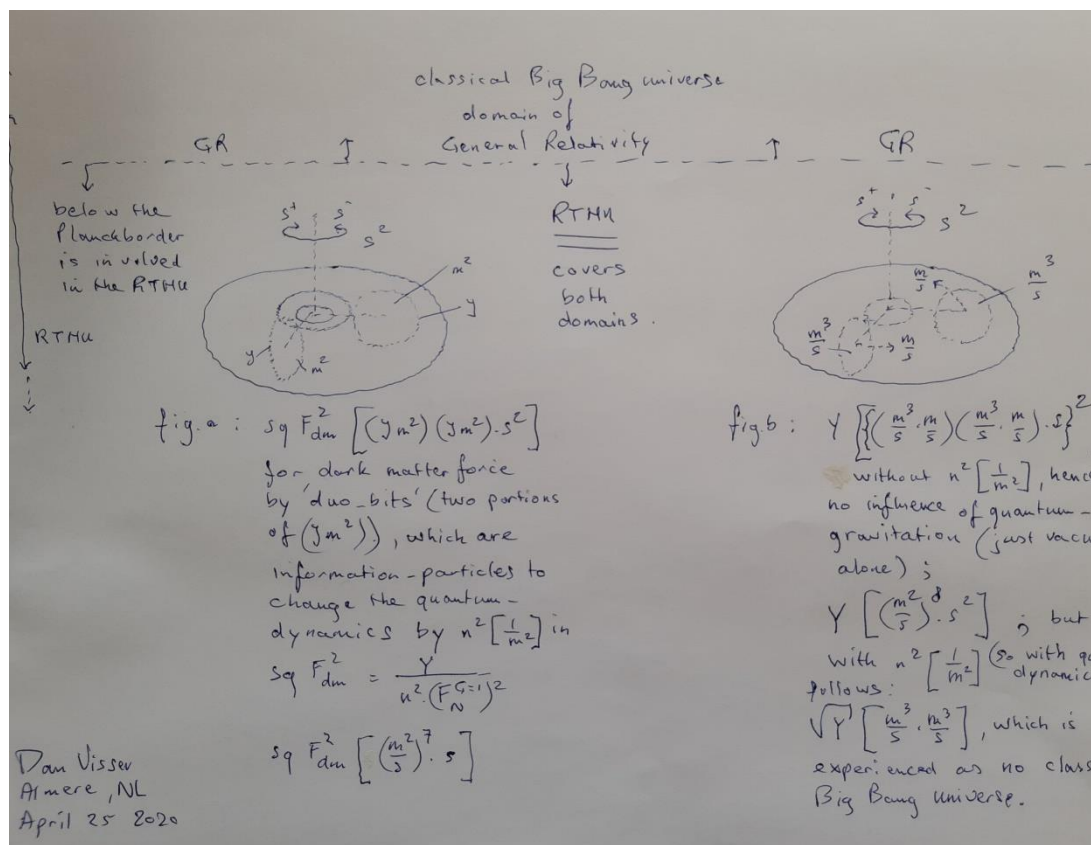


Fig a and b: Illustration of the origin of the dark matter force and the dark energy; the origin is not the Big Bang universe, but the RTHU (the rotating hologram world); in addition this gives the main-reason why the universe is more fundamental a materialized hologram (see fig. c)

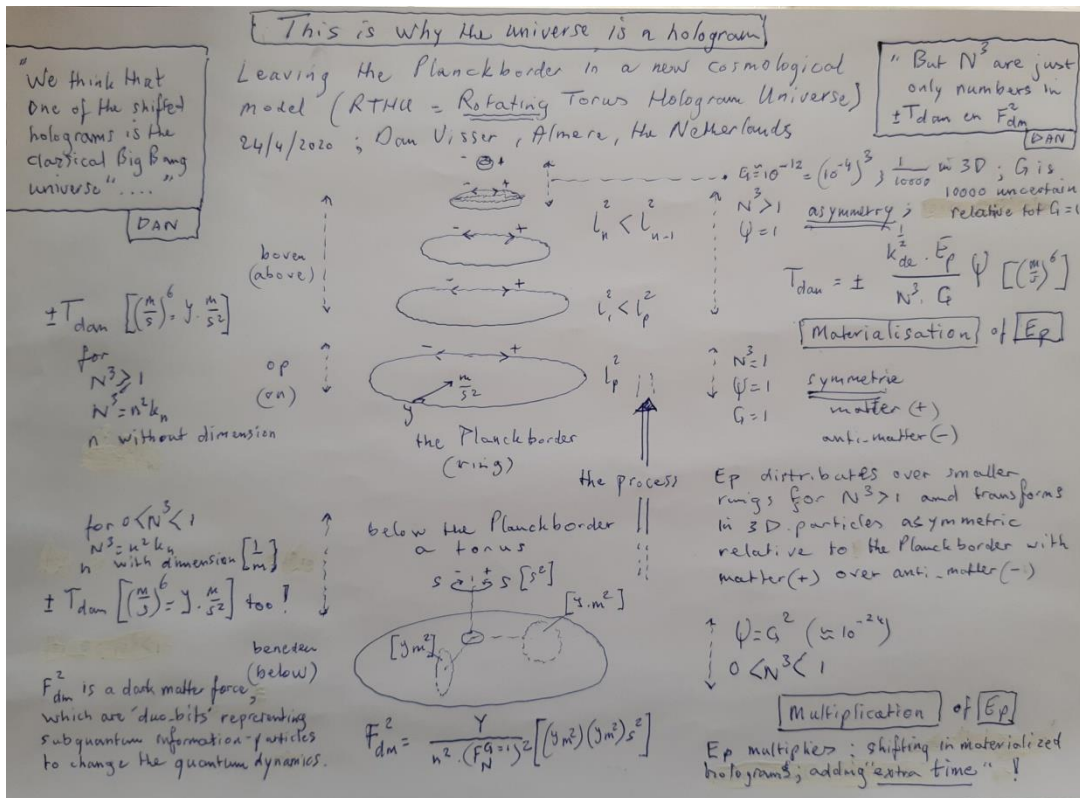


Fig c: Illustration of why we live in the Hologram World (RTHU)

Explanation: When an observer is located at the deeper (probably colder) vacuum (which is without classical quantum-fluctuations), and which in my view is a rotating 'time-vacuum', then the observer is located in a 'volume-flow' of the RTHU. But he is not aware of this new cosmological model. So, the scan-data of the background-spacetime will show the observer anyhow just only the torus-acceleration (as a maximum). But the observer in reality is not located in the deeper vacuum.

The observer is located in a quantum particle-filled-vacuum. So, the observer will observe many lower expansion-accelerations in all other directions, as well as a minimum-expansion-acceleration. That is in analogy with what observers presented as the results of the L_x -T observations of 842 galaxy-clusters. Wherein the observed-data shows different cluster-expansion-accelerations. Yes, indeed, at a maximum and a minimum and several cluster-expansion-accelerations in between!

It is rather strange observers fancy their existence in a classical Big Bang universe. My formulas show their impression is false. A classical Big Bang universe is a fiction. Never it has started with a big Bang. It's a lack of acceptance of a new cosmological model, the RTHU.

So, according to my research I send an email to the projectleader of the L_x -T data-observations of 842 clusters of galaxies measurements, which proved an isotrope-classical Big Bang universe does not exist. Two clusters with the same Luminosity and Temperature were picked out they and showed different expansion-accelerations. They were different, while they should be the same.

Email tot he University of Bonn.

Email to: kmigkas@astro.uni-bonn.de

Date: 15-4-2020 12:00

Subject: Change mindset and perception of classical Big Bang belief.

Attenuated to K. Migkas,

I read the abstract “Probing cosmic isotropy with a new X-ray galaxy cluster sample through the L_X - T scaling relation” and saw the window of different accelerations of far away clusters.

My name is Dan Visser (independent cosmologist and artpainter), Almere, the Netherlands.

I would like to send you an important remark related to this research and related to my new (physics) cosmological model, The RTHU (Rotatating Torus Hologram Universe).

When I look at the window of different accelerations you have published, I can not avoid the impression that this correlates to my RTHU.

In the RTHU several states of Big Bang universa are existing by the rotation of the Torus. So, one deals with a fundamental acceleration towards the inner torus-domain. This means that a 3D observation-window according to the mindset of a Big Bang universe, how small or large it may have been taken to observe, will show different accelerations relative to this fundamental rotating torus-acceleration. So now I am going to say it:

This new perception (RTHU) may conclude the universe can no longer be accepted as a Big Bang universe, but should be a Rotating Torus Universe filled with materialized holograms. The term “Hologram” is due to a fundametal exercise in my RTHU-model, because of the involvement of additional-time below the Planckborder: In the RTHU sub-quantum-information is involved and leading to a 5th-(fundamental) force (‘dark matter force’!) and (important!) variable dark energy (not the constant dark energy as in the classical the Big Bang model).

So, the Rotating Torus Hologram Universe makes the universe anisotropic!!

Perhaps, but I have no expectations, you will react to me. Thank you.

Kind Regards,

Dan Visser

Almere, The Netherlands; Phone: 0031 36 54 99 701; Attachment: ‘DAN’s Art Symbol of the Hologram Age’; reference: www.vixra.org/author/dan_visser

The vacuum-helicopter.

Writing this article I stuck upon a drawing I made in June 2020. This article's basic dimensional analysis then invited me to publish the "vacuum-helicopter" (fig. d); references are fig. a. en fig. b mentioned earlier in this article.

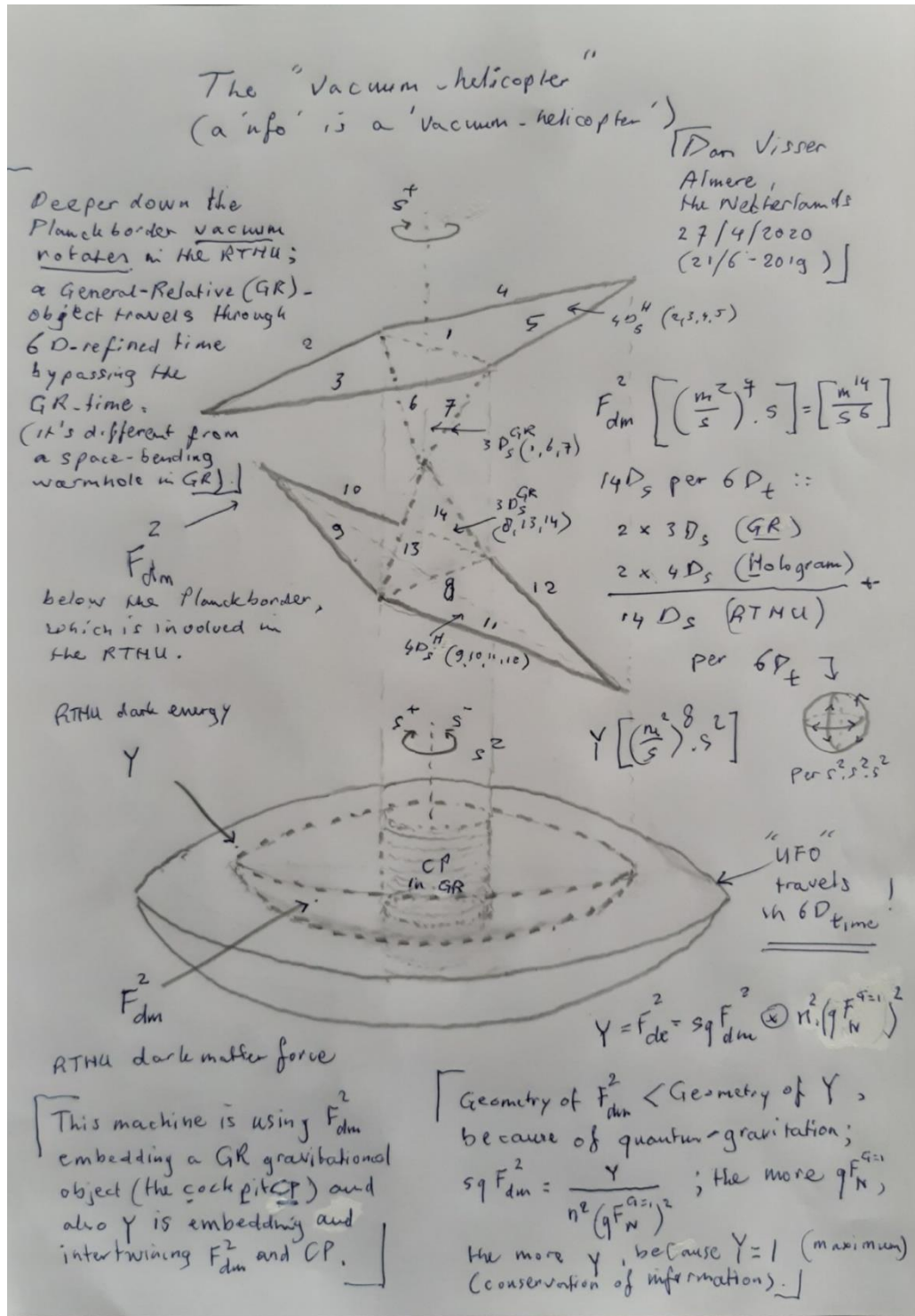


Fig. d: The "vacuum-helicopter" is a specific description for what generally is called an "ufo". It disappears into vacuum with a 'flash'. The impression of fan's of the classical Big Bang universe is they fancy it travelled through space-time., but it didn't. It used 'refined-time' to bypass time!

Future technology for “the vacuum-helicopter”.

Simply said:

The “vacuum-helicopter” (the ‘ufo’) disappears in ‘refined time’ of the Hologram Universe.

It starts in a materialized Big Bang universe and disappears in a ‘flash’. It shows-up in a another (shifted) materialized Big Bang universe. But both universa are part of an other model, the Rotating Torus Hologram Universe (RTHU). This is what several “ufo-observations” show in their dynamics.

The “vacuum-helicopter” gets into a deeper ‘down-below-the-Planckborder’ Hologram World. Therein the Planck-border, and everything below, is involved in the Hologram World. In this colder than the classical-vacuum, the vacuum rotates, to obey to the conservation of information in the Universe.

A General Relative (GR) gravitational-object travels in such a vacuum in 6 dimensions, which exists of ‘refined time’. This bypasses the time in space-time of General Relativity.

Such is different than travelling through a space-bending-wormhole, whcih is a product of space-time in the classical Big Bang.

However, technology is still far away from the ability to generate, concentrate and control dark matter force. Maybe stars will be a tank-station for dark matter force in the future.

The new technology must be able to built a machinery to generate rotating-vacuum surrounding a gravitational cockpit (CP) for “earthy-humans”.

The construction of the control unit for use of ‘refined time-control’ must enable astronauts to go in the right time-direction all the way through the hologram (back and forth, up and down, and sideways left and right) without seeing a world. The right ‘refined-time’ must be sharp. Only that brings the astronauts on the right place of another General Relativity space-time related world as part of the Hologram World.

I am convinced the “vacuum-helicopter” will be built. When quantum-computers are combined with dark matter propulsion and sharp refined time-control is easy to manage.

References.

[1] Independent cosmologist and artpainter; email: dan.visser@planet.nl; website: www.darkfieldnavigator.com; overview articles: www.vixra.org/author/dan_visser

[2] www.vixra.org/abs/2003.0682

[3] www.vixra.org/abs/2003.0136

[4] www.vixra.org/abs/2003.0535