

HOW TO CREATE REALISTIC 3D UNIVERSE MAPS FROM HUBBLE, JAMES WEBB AND EUCLID IMAGES

Such 3D maps are just possible after:

-) mathematically modeling the universe/ energy-neutral cycle of the universe; **documents G6, G7, G8, G12 & G14/G15** and
-) processing their observations and measurements as elaborated in this **document G21**

*1) INTRODUCTION:

-) Universe is a perfectly round balloon of billions of galaxies around center C; from Earth that universe isn't visible as a balloon:

In the now widely accepted Big Bang theory, the universe started from one point, the center C universe. From nowhere, from a singularity without any pre-history.

With such an all-sided uniform start of the universe from one point, center C universe (0.0.0), that universe now cannot have any other shape than a thin, perfectly round, universe-spherical shell/ a balloon now consisting out of many billions of galaxies. This universe-spherical-shell/ balloon has a radius of approximately 10 – 12 billion light years; possibly even more.

All mass, matter and energy of the universe is contained in and concentrated within that thin universe-spherical-shell.

-) Universe-spherical-shell/ USS is surrounded by an absolute 100% vacuum:

There is an absolute 100% vacuum inside as well outside that universe-sphere-shell/ balloon wall that is at most one galaxy thick/ thin. That absolute vacuum applies to the rest of the universe and covers approximately 99.999% of that universe.

In that 100% vacuum, any form of conduction/'ether' for radiation is missing. That 100% vacuum completely blocks the movement of all forms of electromagnetic/ EM and cosmic radiation. We cannot look through that absolute vacuum nor even perceive that vacuum areas.

-) Only between these galaxies extremely low concentrations of hydrogen are present:

In that thin, perfectly round balloon of billions of galaxies, all matter and energy is concentrated in spatially only approximately 0.001% or even less of that universe.

Only between the galaxies in that balloon extremely low concentrations of hydrogen are present, at most a few atoms of H/ molecules of H₂ per dm³. That thin perfectly curved layer of hydrogen is only a few tens to hundreds of km thick and connects everywhere with these galaxies and follows evenly with the expansion of those galaxies.

These extremely low concentrations of hydrogen provide conduction and form the 'ether' for the conduction of all forms of electromagnetic/ EM radiation and conduction of all forms of cosmic particle radiation.

Not a single neutrino, photon, cosmic particle can escape from that H₂ layer and thus from this universe-spherical-shell. This universe-spherical-shell forms a 100% closed system for all forms of radiation based on particles with mass, matter and energy.

All neutrinos, photons and cosmic rays endlessly remain confined within that relatively extremely thin and perfectly curved layer of hydrogen and move within it. That thin, always perfectly curved, layer of hydrogen continuously ensures the deflection of all images received from the universe/ universe-spherical-shell as EM and cosmic rays. This also applies to the images from **Hubble, Webb and EUCLID** located at the **2nd Lagrange/L2 point**. Due to the expansion of the universe, the galaxies are in a different location and undergo different movements than observed.

-) With the exception of the Milky Way Galaxy, all images from the universe are more or less imaginary:

The standard deflection of EM/ cosmic rays during the passage of that thin layer of hydrogen ensures that all images, observations and measurements from **Hubble, Webb and EUCLID** are based on imaginary images. These images consist of images projected over each other in time, covering a period of approximately 10 billion years ago. This concerns images up to approximately 10 billion light-years away within that curved universe-sphere shell supplied via that thin layer of hydrogen! **Figures 36p, 36p, 36r document G8**
www.uiterwijkwinkel.eu .

Those captured images/ photos lack any depth in terms of location on the universe-spherical-shell and in terms of time/ universe clock time/ UCT. (**GAIA** only measures objects/ celestial bodies within the Milky Way Galaxy and does produce relatively real and realistic images/ speeds)

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-) Due gravitation the universe in reality is expanding slower and slower in time instead of expanding faster and faster in time as observed:

Since the universe can just be observed through that thin curved hydrogen inside this universe-spherical-shell, we don't see that universe as a thin balloon shell whose expansion is increasingly slowed down by gravity. **Figures 36p, 36q and 36r document G8.**

By looking through that balloon-shell contrary we observe a universe with galaxies that are expanding increasingly rapidly in all directions towards the past and with planet Earth, as it were, at the center of that universe. (This faster and faster expanding universe is based on an optical illusion)

That image is consistent with the universe as a balloon, the rate of expansion of which is increasingly slowed down by gravity, but does not correspond with the image of a visually expanding universe that is expanding at an increasingly faster rate. That picture cannot be reconciled with such an all sided equal start from center C and a universe-spherical-shell expanding ever more slowly due to gravity.

This current image of an increasingly rapidly expanding universe can be explained as:

- 1) Electromagnetic radiation (neutrinos and photons) and cosmic particle radiation can only travel via extremely low concentrations of hydrogen present inside the universe-spherical shell and therefore only observed via that thin curved space/ universe-spherical-shell,

- 2) All EM and cosmic rays are forced to continue moving within that thin universe-spherical- shell with H₂ and there subjected to forms of deflection, distortion and twisting and becomes visible in the blue shift and red shift,
- 3) Those forms of EM and cosmic radiation cannot escape into the surrounding 100% vacuum inner space and outer space of the universe,
- 4) All forms of EM and cosmic particle radiation remain continuously 100% confined within that thin universe-sphere shell of galaxies and the only there present hydrogen in between. That hydrogen has the function of an indispensable conductor/ 'ether'.
- 5) Looking through the universe-sphere shell, all images from that thin universe-spherical-shell and from the past run through each other and are projected over each other without detailing location and time. Sketched **figures 36p, 36q and 36r document G8**. Except for the Milky Way Galaxy (**GAIA**), actual images or 3D maps of the universe are not possible.
- 6) In addition to necessary preliminary research (modeling the universe/universe cycle, **G7, G14 and G15**, major operations are required to add depth to those beautiful images from **Hubble, Webb and EUCLID** in terms of location on the universe-spherical shell relative center C universe and placements in time/ universe-clock-time/ UCT and thus in the past.
- 7) Only then can those images be parsed into slices of place and equal time/ UCT. Only then can these images/photos be converted into 3D maps of the universe from center C universe.

***2) QUESTION:**

- 1) What causes this discrepancy between perception and reality,
- 2) Can this discrepancy be explained and what is the universe really like?
- 3) The prehistory of the universe; how did that universe reach its current balloon shape,
- 4) Fits that real image to the perceived virtual images,
- 5) What adjustments/correction(s) are needed to ensure that the observed virtual images, observations and measurements match this reality that cannot be directly observed?

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This knowledge is necessary to convert the actual virtual observations, measurement data and research results from the **Hubble, James Webb and EUCLID** and their position at the **2nd Lagrange / L2 point** into images / 3D maps viewed from center C of the universe.

Only after these corrections can these observations/photos from these instruments be converted into a reality observable from the *center C universe*. Such images cannot be made directly from **Earth/ the L2 point!**

2.1 EARTH, L2 POINT AND ALL SATELLITES IN THE UNIVERSE SUBJECT TO 9 – 11 SPEEDS:

All measuring instruments **Hubble, James Webb and EUCLID**, like the **L2 point** itself, are subject to no fewer than approximately 9 – 11 different speeds within the universe/within the universe-sphere shell.

-) Red/blue shift is not an absolute value but a sum of red and blue shifts:

Depending on the direction, those 9 - 11 speeds in the universe within the universe-spherical shell each make their own contribution to the redshift (movement of an object away from the **L2 point/Earth**) or to the blueshift (movement towards the **L2 point/Earth**)..

The sum of those 9 - 11 different shifts ultimately results in one measured value that in itself does not provide any insight into the 9 - 11 speed components that make up this ultimately measured shift.

-) Speeds needed to create 3D maps:

Converting those measurements/photos into actual images and then viewed from center C is only possible after correction for these 9 - 11 own, partly unknown speeds. Only after corrections can the positions of the observed celestial bodies within the universe-spherical shell relative to the *center C of the universe* be determined and these velocities and directions of those velocities can be entered both qualitatively and quantitatively.

Determining the current speeds and these speeds within the universe in the past can only be determined quantitatively after mathematical modeling of the universe/the universe-sphere shell. This modeling is qualitatively described in **documents G14 & G15**.

***3) UNIVERSE / UNIVERSE GLOBE SHELL ONLY VISIBLE THROUGH CURVED LAYER OF HYDROGEN AS 'ETHER':**

In the universe, hydrogen is only present among the billions of galaxies in that thin, perfectly curved balloon of galaxies, and there in extremely low concentrations of only a few atoms/molecules per liter. The rest of the universe consists of a 100% vacuum.

That hydrogen H/ H₂ is surrounded by micro fields of electric charge and magnetic spin. These micro fields are already present as standard from the very lowest level of Higgs particles, strings, and strings that make up the proton/electron. **Document F1a 2014 & figures** provides an explanation for the physical origin of mass, electric charge and magnetic spin on these most elementary Higgs particles, strings of the proton/ electron.

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With those Higgs, strings and mass, charge and spin, neutrinos, photons, EM radiation and cosmic particle radiation from the proton/ electron can be built up again (**document F1b & surrounded by figures**). These EM and cosmic particles are therefore also surrounded by their own micro-fields of electric charge and magnetic spin.

Matter/ antimatter can ultimately be built from neutrinos, photons and cosmic particle radiation in the form of only protons and electrons and only artificially the anti-forms of the proton/ electron. (**document F1c & figures**). Like neutrons, they are all surrounded by their own micro fields of charge and spin.

These micro fields are also present around all atoms/ elements in the periodic table. (**F1d & figures**).

3.1 ABSOLUTE VACUUM SPACE DOES NOT ALLOW EM AND COSMIC RADIATION ENTERING:

In those absolutely 100% vacuum areas and the vast majority of the universe, atoms are completely absent. In that absolute vacuum part of the universe, those micro fields of electric charge and magnetic spin are completely absent. Thus the 'ether' of electric charge and magnetic spin necessary for conduction of EM and cosmic radiation are completely missing as well. As a result, EM radiation and cosmic particle radiation cannot enter nor travel through and spread across those gigantic 100% vacuum areas in the universe!

3.1.1 TRANSPORT EM AND COSMIC RADIATION ONLY POSSIBLE VIA HYDROGEN:

In the universe, all forms of electromagnetic/ EM radiation and cosmic particle radiation can only travel via the thin 'ether' of hydrogen and the continuous conduction medium of charge and spin provided by hydrogen. The transmission and conduction of radiation from atom → atom is limited to a maximum of the speed of light c .

3.1.2 ABSOLUTE VACUUM PROVIDES 100% BARRIER TO ALL EM RADIATION AND ALL COSMIC RADIATION:

There is an absolute 100% vacuum inside and outside the universe-spherical-shell/ balloon wall, which is a maximum of one galaxy thick. In that absolute vacuum any form of electric charge and magnetic spin/ 'ether' is missing. Neutrinos, photons and cosmic particles of radiation cannot enter nor move through that absolute vacuum. We cannot look through that absolute vacuum and observe the other side of the universe/ universe-spherical-shell through that vacuum! We cannot even perceive that vacuum itself!

In the universe all forms of particle based radiation can only travel through that thin layer of perfectly curved hydrogen of several tens - hundreds of km thick, which is only present as 'ether' between that perfectly round balloon of galaxies! All forms of EM and cosmic radiation are continuously forced to remain within that thin, perfectly curved universe-spherical-shell with hydrogen. All radiation therefore 100% effectively reflected/ pushed back into the hydrogen of the USS by that absolute vacuum. This results in all kinds of distortion in the images that reach the Earth and the **L2 point** via the universe-sphere shell. All forms of EM and cosmic rays therefore remain 100% trapped within that thin USS.

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3.2 UNIVERSE NOT VISIBLE IN THE SHAPE OF A THIN BALLOON:

Because of those curved paths of light, we do not get to see the universe as a thin balloon wall of galaxies. All images are provided via that extremely low concentration of hydrogen that is spread within galaxies and after passage is led back to that thin shell with hydrogen. Except within the Milky Way Galaxy, this results in all kinds of distorted and completely virtual images. **Figures 36p, 36q, 36r document G8.**

3.3 ALL EM AND COSMIC RADIATION WILL BE REFORMED INTO PROTONS/ELECTRONS AND HYDROGEN WITHIN 13.8 BILLION YEARS:

The current view of the universe is limited to a maximum of only 13.8 billion (light) years, while the universe is / must be much larger and much older. How did that happen?

Within a period of 13.8 billion years, all forms of EM and cosmic particle radiation (**document F1b & figures**) within the USS are transformed back into matter in the form of ordinary protons and ordinary electrons via $E = mc^2$. **Document F1c & figures** describes/ shows that transformation of forms of energy → matter like protons/electrons in more detail. These protons and electrons combined form hydrogen, resulting in the formation of new stars. This process of star formation occurs everywhere within all galaxies.

All forms of information linked to EM and cosmic radiation disappears completely in a period of 13.8 billion (light)years! This reconstruction of matter (protons, electrons, hydrogen) from radiation occurs on a large scale within all galaxies as well in the vortices central black holes of galaxies. **The 13 figures 65a – 65m document G8.** New stars are formed in all galaxies, resulting in the formation of small parallel galaxies comparable to the Magellan clouds in the Milky Way Galaxy.

3.4 UNIVERSE / UNIVERSE GLOBAL SHELL FORMS A 100% CLOSED SYSTEM ALL EM AND COSMIC RADIATION:

Because this 100% vacuum prevents passage of all forms of EM and cosmic radiation and reflects this radiation 100% effectively, the universe-sphere shell forms a 100% closed system for all EM and cosmic particle radiation with mass, matter and energy.

3.5 UNIVERSE ONLY ON GRAVITATION AND TIME/ UNIVERSE CLOCK TIME:

Document G20 elaborates that both gravity and time/ the universe clock time/UCT in the universe/ universe spherical-shell are the only physical phenomena without particles. Gravitation and time/ UCT are the only forms of 'radiation' without wave movements and without particles and thus without any charge, spin, mass, matter and energy.

For that reason, both gravity and time/the universe clock time/ UCT do not need an 'ether' of hydrogen to move. Both phenomena of gravity and time/UCT therefore also move through those absolutely 100% vacuum spaces. Both phenomena therefore leave the universe !

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The disappearance of all gravity and time towards outside the universe has no consequences for the universe remaining 100% closed to mass, matter and energy!

That 'radiation' of gravity and time is without particles and wave motion and isn't passed on from atom to atom. Gravitation and time/ UCT therefore also aren't bound by the speed of light c . Both phenomena move with an, in principle, infinitely great speed through both inside as well outside the universe/ the universe-spherical-shell. For that reason, gravity is an extremely weak physically force quantitatively.

3.5.1 CONSEQUENCES THEORY OF RELATIVITY:

The theory of relativity limits speed to the speed of light c and ignores the possibility of infinite speeds. Because of the *infinite speeds* of gravity and time/ UCT and the by nature perfectly curvature of space/ USS itself, **Einstein's** theory of relativity needs to be radically adjusted and expanded!

3.5.2 SHOCKWAVES MEASURED BY LIGO GRAVITATIONAL ENERGY ARE RELATED TO THE SPEED OF LIGHT c AND TO THE USS:

Contraire to gravity itself these by **LIGO/ Virgo** observed shockwaves of gravitational energy are transmitted from atom to atom. These by **LIGO/ Virgo** measured shock waves are bound to the speed of light c and can only travel via that thin hydrogen layer present in the universe-spherical-shell.

3.5.3 REAL GRAVITATION ONLY RECENTLY DEMONSTRATED AT PULSARS:

That real-time manifesting gravity has only recently (2023) been demonstrated and deduced from vibrations of pulsars. These vibrations are the result of rapid gravitational variations caused by two rapidly rotating central black holes of two collided and already merged galaxies. Since gravity moves at infinite speed, these vibrations run synchronously in real time with the rotations of both central black holes.

(These gravitational vibrations found in pulsars apply in real time throughout the whole universe and may also be demonstrable on Earth and L2 point)

3.6 GRAVITATION KEEPS ALL ATOMS WITHIN THE UNIVERSE SHIELD:

The background temperature (CMB/cosmic microwave background) is currently 2.7 Kelvin. At that extremely low temperature in the universe-spherical-shell, all hydrogen and even helium within galaxies is in the state of a liquid or even solids.

Finally, the last in a long line the helium, only present within the galaxies, has lost its gas pressure and thus its entropy. On the scale of the universe-spherical-shell the last form of entropy has completely disappeared; even within the galaxies. Entropy only remains locally on celestial bodies.

Gravitation now ensures that all atoms remain trapped within their galaxies and within that thin USS containing hydrogen.

The universe/the universe-spherical-shell and 'ether' of hydrogen and gravity together form a 100% closed system for: a) all forms of EM radiation and cosmic radiation and for b) all atoms of the periodic table.

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*4) WITHIN THAT CLOSED SYSTEM, THE UNIVERSE-SPHERICAL-SHELL ENDLESSLY PASSES THE SAME OVERALL ENERGY-NEUTRAL CYCLE OF 29 STEPS:

Each cycle starts and ends in *center C universe* with coordinates (0.0.0). This cycle currently consists of 29 steps and is completed overall in an energy-neutral manner as a perpetual motion machine. **Documents G6, G7, G8 and G12** www.uitewijkwinkel.eu .

This universe cycle is exceptional because:

- a) **Step 29** in this cycle is exactly the same as **step 1**. Each cycle follows seamlessly the next cycle of the universe,
- b) Each cycle starts with only protons/ electrons expanding as monolayers protons/ electrons and with approximately 0.7 of the speed of light c ,
- c) The universe starts each cycle without atoms and therefore without gravity and gravitational energy (**documents E3, E3-1 and E3-2**) and without the to the atom related physically and chemically forces/ bonds of atoms (**document F1d & figures**),
- d) Only after 10 – 15 billion expansion at 0.7 c without atoms/gravitation and there is so much space both inside as well between these mono-layers has been raised, these protons/ electrons combined to form hydrogen atoms/ molecules. That period the universe has been expanded into a universe-spherical-shell/ balloon with a radius of approximately 10 – 12 billion light years,

- e) Only with the H atom do gravity and gravitational energy relative to center C return the universe. With the formation of the H atom, a huge amount of gravitational energy relative to center C is free of charge added to the universe/ the universe-spherical-shell. That free of charge added energy is the 'dark' energy in the universe and is the driving force behind every cycle of the universe,
- f) During each cycle, that free of charge added gravitational energy is fully utilized to breaking the acceleration during the shrinking of the universe/ USS to a constant speed of approximately a 100 – 150 km/sec.

Within that 100% closed system, the universe/sphere-shell goes through the same cycle endlessly. **Document G7**. We have arrived at the infinite cycle +1!

4.1 MAXIMUM EXPANSION WILL BE REACHED IN 350 – 450 BILLION YEARS; THEN RETURN THE UNIVERSE GLOBAL SHELL TO THE CENTER C UNIVERSE:

The universe/universe spherical-shell endlessly passes the same overall energy-neutral cycle in the form of a universe as balloon expanding ever more slowly due to gravity. Only after approximately 350 - 450 billion years gravity will have completely slowed down the expansion of the universe-spherical-shell/balloon towards zero. Described in **step 23 cycle of the universe document G7 consisting 29 steps**.

At the end of current step 23 is:

-) All EM and cosmic rays have been completely transformed back into matter, protons/electrons and H. Via nuclear fusion in stars this hydrogen has been converted into atoms \geq Be. Only the electron-shells atoms \geq Be can collapse toward the atom-nucleus transforming normal atoms into black hole atoms which are accepted by black holes. (Black holes refuse accepting H, H₂, He, Li and subatomic particles. **Document F1e & figures**)
-) In all clusters, gravitational collisions have brought together all present celestial bodies and all 4 – 6 thousand or more galaxies within each cluster into one, super cold (2.7 Kelvin), central cluster black hole (CCBH).
-) Over 350 - 450 billion years at the moment of maximum expansion, the universe-sphere shell will consist of approximately 4 - 20 million more or less identical super cold (< 2.7 kelvin) and super rapidly rotating central cluster black holes/CCBH's with a rotation clockwise or counterclockwise. All expansion rates and the current 9 – 11 rotation rates are then converted into just one remaining rotation rate. All CCBH's have their rotation axis pointed exactly at center C of the universe.
-) The universe/the universe-spherical-shell is then completely without any form of EM and cosmic radiation and is absolutely dark.
-) During the slowing down of the expansion, all expansion speed / kinetic energy of celestial bodies, galaxies and clusters of galaxies has been converted into rotation speed of those 4 - 20 million super cold rapidly rotating CCBH's that at that point of maximum expansion only have one form of equal rotational gravity.

4.2 RETURN OF THE UNIVERSE TO CENTER C UNIVERSE:

Mutually coordinated by this rotational gravity, all CCBH's are guided back towards center C of the universe where they arrive simultaneously and merge into one super-large Little Bang black hole, with a radius of several million km.

Returning to C is at the expense of the angular velocity of these CCBH's. The gravity associated with shrinking is opposite to the rotational gravity of these CCBH's generated by their rotation. As a result, the acceleration is continuously decelerated to a constant shrinkage speed of only approximately 100 – 150 km/sec. The downsizing to C therefore takes an extremely long time. Due to gravity and infinite speed of gravitation such downsizing of the USS occurs in a real-time coordination.

Only when these millions of CCBH's have arrived at center C they will be completely stripped of their rotational speed and connected rotational gravity. Only then those 4 – 20 million CCBH's can merge and shrink further which will end in forming the Little Bang black hole. In its final phase of contraction, the Little Bang black hole loses more and more of the last remaining shrinking speed and with it more and more of its last remaining contraction gravity.

Only at the very last moment does that gigantic Little Bang black hole has lost so much speed and thus gravity that this gigantic black hole, containing all the mass, matter and energy of the universe, falls below the Critical black hole gravity / Cribhgra of approximately 8 - 10 sun-gravitational-equivalents (SGE's) and therefore becomes unstable.

That Little Bang black hole then disintegrates into loose, unstable black hole atoms (**document F1e**) which atoms further disintegrate into an equivalent number of loose/ single protons/ electrons. These released protons/ electrons arrange themselves as mono-layers of protons/ electrons that expand again at 0.7 of the speed of light *c*. **Document G6 & figures 1 – 30 G8 especially figures 28 and 30.**

From center C universe the next cycle of the universe starts, which is identical to all previous cycles of the universe. The universe continues to go through exactly the same cycle!

4.3 MODELING THE UNIVERSE/ CYCLE UNIVERSE MATHEMATICALLY:

In **documents G14 & G15** is deduced and elaborated this cycle of the universe can be modeled mathematically and therefore the universe can be quantified. Both macro for the universe as 100% closed system as well micro can be quantified for any arbitrary moment during that cycle of currently 29 steps.

Such a complete cycle currently takes approximately 35 - 50 trillion (10^{15}) years. These qualitative and quantitative snapshots of the universe/ the universe-spherical-shell apply to both the past and the future universe/ cycle of the universe.

In a *macro way*, this model can be used to determine how many protons/ electrons, hydrogen, stars, galaxies, kinetic energy, gravity, space/ radius, universe-spherical-shell & gravitational energy and time are required minimum as well maximum may be present completing one entire cycle of the universe/USS. In short, a macro quantitative universe without 'dark' matter as well without 'dark' energy. **Document G12. & figures 36a – 36r G8/G12.**

In a *micro way* that model results in a complete qualitative and quantitative picture of that universe for any chosen moment during that cycle, including all movements and positions of celestial bodies within that constantly changing universe/ USS! AI techniques are essential and indispensable

4.4 CORRECTIONS IMAGES HUBBLE, JAMES WEBB AND EUCLID:

All images from the universe-sphere shell are now supplied via that thin universe-sphere shell and currently cover 10 billion light years (of the maximum possible visible 13.8 billion light years). All images supplied via that universe-spherical-shell and captured by **Hubble, Webb and EUCLID** exist and are made up of overlapping and intertwining images over a period of many billions of years!

All photos from **EUCLID, Webb & Hubble**, although fantastic in quality, actually consist of a mixture of images supplied via the universe-sphere shell over billions of years with different locations that are superimposed on each other in terms of location and time.

-) Measured red-/ blue- shift is not an absolute value but just a sum of 9 – 11 shifts:

The measured red and blue shifts of observed objects/ celestial bodies are the final sum of their 9 – 11 separate red- and blue- shifts as the effect of their 9 – 11 movements/ speeds in the USS relative to **L2/Earth**. The final red or blue shift is not an absolute value and cannot be further broken down into the underlying 9 – 11 movements/ speeds!

-) More and more details ↔ less and less depth in space and time:

Those fantastic **Hubble, Webb and EUCLUD** deliver increasingly sharper images of the universe! But unfortunately they do not provide images broken down and corrected by location or by time/UCT.

Based on these images, clear and realistic 3D maps of the universe/the universe-spherical-shell cannot be drawn up, neither towards the past, towards the present nor towards the future. What **EUCLID** gains in clarity it loses in depth/ location and time/UCT.

In order to determine the depth and 3D locations of celestial bodies, the moment of observation in time/UCT and their velocities within the universe-sphere shell, correction and processing must be applied to those images in order to determine the actual positions and velocities of the objects. **Hubble, Webb and EUCLID** to determine observed objects and to create 3D maps of the universe/universe spheroid shell.

***5) FOR CREATING THE ACTUAL 3D MAPS. CENTER C THE FOLLOWING CORRECTIONS ARE NEEDED:**

To determine the actual positions of observed celestial bodies/ galaxies and clusters of galaxies relative to C according to their locations (then and now) and to time/UCT (then and now) and to the current velocities within the universe/the universe-sphere shell (then and now) the following corrections to **Hubble, James Webb and EUCLID** observations are required:

- a) Determining the current 9 – 11 velocities and the position (then and now) of the L2 point and the basic velocities and positions of **Hubble, Webb and EUCLID** within the universe-sphere shell relative to *center C universe*. Those current speeds now consist of one rectilinear expansion speed and 8 – 10 forms of rotational speed,
- b) Those 9 - 11 individual speeds and the direction of those speeds cannot be derived from the measured overall sum of 9 - 11 red- / blue- shifts of the object / celestial body; only by mathematically modelling the cycle of the universe,
- c) The current distance of the universe sphere shell / **L2 point, Hubble, Webb, EUCLID** with respect to the *center C universe*,
- d) The measured distance of each object within and along the universe-spherical-shell and the **L2 point**. Also determining the moment/UCT that the object emitted the currently observed radiation. The object is thus returned to the then 3D position of the universe-sphere-shell that is linked to the then current universe-clock-time/UCT,
- e) This also results in an angle α between the line **L2 point ↔ center C** and the line **object ↔ towards center C universe** and thus the time of observation in time/UCT into the past.
- f) Determining/ establishing the then (higher) expansion velocity and 8 – 10 (lower) angular velocities of that object in a then less expanded universe/universe-sphere-shell compared to center C than is currently the case and **determining angle α figure 36t G8**.
- g) For all objects in the universe-sphere shell, the results for c), d) and e) must always arrive at the same 3D point (coordinates x.y.z.) and at the same time/UCT,
- h) Only that case 3D maps of the universe/ the universe-spherical-shell/ USS can be formed in time/ equal UCT, with the positions of celestial bodies within that universe-sphere-shell at that moment of observation and of all movements/velocities at the time within the universe-spherical-shell, which is expanding increasingly slowly due to gravity.

Looking from **L2** through the universe-spherical-shell and thus looking back in time/ UCT, the observational measurements of **Hubble, James Webb and EUCLID** must therefore undergo rather drastic operations with corrections to location, speeds and in the time/past of the universe. Drawing up 3D maps relative to *center C universe* is difficult, drastic and strenuous!

Figure 36s document G8 www.uitewijkwinkel.eu shows the current perfectly round macrostructure of the universe/the universe-sphere shell with *center C* and the position of the **Earth/L2 point** in the universe-spherical-shell. In that perfectly curved USS objects/ celestial bodies have been observed up to a distance of approximately 10 billion light-years looking back in time and space. (That observational horizon is limited to a maximum of 13.8 billion (light) years). Within that period in the universe, all neutrinos, photons and cosmic rays are transformed back into protons, electrons, hydrogen and new stars! All older info disappeared!)

Figure 36t document G8 aims to indicate the actual, unobservable, positions of celestial bodies within USS versus the observed locations of those celestial bodies up to sometimes billions of years ago where those celestial bodies now aren't present/ located. When you look back in time/ UCT, the angle α increases and the corrections to location, time/UCT and speeds also increase. All in all complex!

Ultimately, the locations determined via the universe-spherical-shell and **Hubble, Webb and EUCLID** images must coincide and be matched to the location, velocities and time/ UCT resulting from the mathematical model.

5.1 ANYWAY STARTING MATHEMATICALLY MODELING THE CYCLE OF THE UNIVERSE TO DERIVE THOSE 9 – 11 SPEEDS:

Within the thin universe-sphere shell, celestial bodies and atoms are subject to approximately 9 - 11 different speeds. These speeds consist of one linear expansion speed, increasingly slowed down by gravity, and 8 - 10 forms of rotation speeds, all of which are situated within the universe-sphere shell. By slowing down the expansion, this energy is almost completely converted into those 8 - 10 forms of rotational speed, which therefore increase with time.

3D maps of the universe are just possible after correction to their actual and then locations and to those 9 - 11 speeds with center C as the point of observation. So corrections have been made for: 1) the positions of the observed objects on the universe-spherical-shell now and in the past, 2) corrections for the time/UCT now and towards the past.

5.1.1 THE 9 – 11 SPEEDS CELESTIAL BODIES AND ATOMS IN THE UNIVERSE:

This is a compilation of the following movements:

- 1) The object's own rotational motion,
- 2) The 2 - 3 rotational movements of the object/celestial body within the area of their star,
- 3) The 3 - 4 rotational movements of stars/planets within the surrounding galaxy,
- 4) The 3 - 4 rotational motions of galaxies within the 4 - 20 million identical clusters, each containing 4 - 6 thousand or more galaxies.
- 5) The linear expansion rate of the universe-spheric al-shell/ USS itself, which continues to decrease due to gravity,
- 6) The universe/ universe-spherical-shell as a whole is absolutely stationary and does not rotate!

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All measuring instruments in the universe/within the universe-sphere shell and on Earth are subject to approximately 9 – 11 speeds that influence the results of measurements and observations. **Figures document E3-1.**

5.2 THOSE 9 – 11 VELOCITIES WITHIN THE UNIVERSE/USA GLOBAL SHELL CAN ONLY BE DETERMINED THROUGH THE MATHEMATICAL MODELING UNIVERSE CYCLE:

Documents G14 and G15 qualitatively describe how the universe and its cycle can be modeled mathematically. With that model the universe/the universe-sphere-shell can be both qualified and quantified. Both macro the universe as a whole and micro for any randomly chosen moment during that cycle.

Mathematical modeling is currently outside the scope of Science 2023. As a result, mathematical modeling is not getting off the ground. However, modeling the universe is necessary for all fundamental and exact sciences!

In addition to the current 9 - 11 speeds, this modeling not only provides the number of speeds of atoms/celestial bodies in the present and the past, but also the distances of the **L2 point**,

Hubble, Webb, EUCLID ↔ **center C** and the distances of the **observed objects in the universe-sphere-shell** ↔ **center C** and how great those speeds were now and in the past.

That mathematical modeling of the universe & cycle will have to be tackled first.

***6) DISCUSSION:**

-) Producing 3D maps of the universe out of images will be difficult:

Due to the deflection of light/ photons within that thin shell with hydrogen only present within that thin perfectly round universe-spherical-shell/ USS, we perceive the universe from the **L2 point/ planet Earth** and via satellites very differently than that universe actually is and looks like when viewed from *center C of the universe*.

It will take a lot of effort to convert the images received from space in **L2** into actual 3D images of the universe viewed from *center C of the universe*.

-) EUCLID will not solve the problem of 'dark' matter and 'dark' energy:

The central black holes in galaxies rotate very quickly on their axis and therefore generate much more rotational gravity than can be deduced from **Einstein's** theory of relativity. This much greater gravity holds galaxies together and is the 'dark' matter/ mass of galaxies in the universe.

Due to gravity, the universe/the universe-spherical-shell expands more and more slowly in time, while looking through that thin universe-spherical-shell and only there present hydrogen we observe an increasingly rapidly expanding universe! However, there is no question of an increasingly rapidly expanding universe/ universe-spherical-shell/ USS which is based on an optical illusion.

That universe-spherical-shell however represents an enormous amount of gravitational energy compared to *center C* as well inside that USS. That gravitational energy is currently missing in the energy balances of the universe.

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-) Red and blue shifts are sums of shifts and aren't absolute values:

The observed red and blue shifts are the ultimate result of 9 – 11 movements of objects/celestial bodies in the universe that consist of a) the expansion speed of the universe-sphere shell/USS and b) of 8 – 10 forms of rotation speed within that thin perfectly round universe spherical-shell.

The measured red-/ blue- shift therefore does not reflect an absolute value. It is the sum of 9 – 11 different underlying red- and blue- shifts!

Unfortunately, these 9 -11 underlying movements/speeds cannot be deduced from the final measured value of the red-/ blue- shift.

These speeds can only be derived via mathematical modeling and quantification of the universe as a closed system for mass, matter and energy and from the endlessly repeating same, overall cycle of currently 29 steps.

*7) CONCLUSIONS:

1) In order to be able to place the images delivered by **EUCLID, Webb and Hubble** and convert them into 3D maps, science must be aware that the universe is a 100% closed system for mass, matter and energy that remain endlessly the same, overall energy-neutral, cycle of currently 29 steps.

2) Uniformly uniform starting from one point in the *center C of the universe*, our universe now cannot have any other shape than that of a thin, perfectly round universe-spherical-shell in the shape of a balloon of billions of galaxies.

3) There is an absolute 100% vacuum both inside as well outside that thin universe-spherical-shell. Due to the lack of an 'ether' of hydrogen EM radiation and cosmic radiation cannot penetrate into or enter those absolute 100% vacuum areas of the universe/ spaces.

4) That absolute vacuum reflects 100% all forms of radiation with particles back to the hydrogen only present in this thin universe-spherical shell. This 'ether' of hydrogen, together with gravity, creates a universe/ universe-spherical-shell that forms a 100% closed system for all forms of mass, matter and energy.

5) This thin universe-spherical-shell contains many billions of galaxies with extremely low concentrations of hydrogen exclusively between those galaxies. That hydrogen provides the necessary 'ether' that enables the transport of neutrinos, photons, protons/ electrons and all forms of cosmic particle rays/ radiation within the universe-spherical-shell at a maximum of the speed of light c . Shock waves of gravitational energy as observed by **LIGO and Virgo** also only able travelling through that thin layer of hydrogen and limited by the speed of light c .

6) The universe is only 100% open to true gravity and to time/ UCT. Both phenomena are not based on particles and are without wave motion and thus without any form of mass, matter and energy. This leakage of gravity and time has no effect whatsoever on the amount of mass, matter and energy in the universe and on that universe as a closed system. This real gravity and time/UCT spread through the whole universe with infinite speed. (Both require a fundamental adjustment and extension of the theory of relativity!)

7) All forms of radiation with particles can only travel via that this layer of hydrogen and helium are only present within galaxies and not outside them.

8) Within 13.8 billion years, all EM and all cosmic rays/ radiation are 100% transformed back into protons, electrons and hydrogen via $E = mc^2$. All information is finite and in this period is converted back into matter. In time all information of the universe disappears completely.

9) Within that 100% closed system for mass, matter and energy, the universe endlessly goes through the same, overall energy-neutral, cycle of 29 steps. (**Documents G6, G7, G8 and G12**)

10) The universe cycle can be modeled mathematically and can therefore be qualified and quantified at any time on both a macro scale as well micro scale. Such mathematically modeling provides a complete picture of the universe/ the universe-spherical-shell/ USS for every moment during this cycle.

11) **EUCLID** does not contribute to solutions to the problems of 'dark' mass/ matter as well the problem of 'dark' energy in the universe. These are described in **document G12 & figures 36a – 36r G8/G12** and just solvable by mathematically modeling the cycle of the universe.

12) In order to be able to translate the images provided by **EUCLID, Webb and Hubble** via the universe-spherical-shell and convert them into 3D maps of the universe/USS with the velocities present within them, it is first and foremost required that the universe & cycle be modeled mathematically.

13) Based on that mathematical model and through additional corrections, the images from **Hubble, Webb and EUCLID** obtained at the **L2 point** can be split and, after corrections, transformed into realistic 3D maps of the universe viewed from the *center C universe* and thus also into the past / to date.

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