Window For The Visible Matter In A Rotating Time-Torus-Universe.

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Abstract.

The subtitle of this paper is: "An overwhelming amount of evidence is available for the non-existence of the Big Bang". Instead a new proposal for the shape and dynamic of the universe is described as an eternally rotating Time-Torus-Universe. Therein particles and observers are in orbit inside a time-density of a sub-time-torus. Such a sub-time-torus is a part of the larger Time-Torus Universe. Such a whole universe rotates forever. This is the Double Torus Universe described in the Double Torus Theory (DTT), which has no beginning or end. Such a universe is full of dark matter in synergy with new dark energy, which emerges the visible material world as we know it. The power for this synergy is capsuled in events happening by 2 dimensions of time smaller than the conformal time in the Big Bang Universe. Therefore this new theory is called 'double', because it uses that refined time, which is 2D-time smaller than the conformal Planck-time. However, the General Relativity Theory (GRT) and the Quantum Theory (QT) remain valid in the DTT. In the DTT a new force takes care for the torus not to expand unlimited as in the Big Bang universe. Observers inside the DTT experience a combination of quantum Newton-force and sub-quantum dark matter-force at the edge of any sub-time-torus. This leads to a sometimes shared rotating cosmological horizon in the presence. Space is no longer the issue in the DTT, but conformal and refined time are. In an overview is explained, by means of 14 handwritten sheets, how to visualize this mechanism mathematically and dimensionally. The under laying formulations are already described in former vixra-articles of mine [1]. Popular information can also be found on my website [a]. In the end a description is given of the window of visible matter (a new formula, which is independent of the cosmological constant). This formula calculates the 'window'. In addition several examples of institutional evidence is shown to support the DTT-formulations. My opinion is: It is unbelievable how science anno 2014 wants holds on to Big Bang. Forget the Big Bang!

1. Introduction.

What is the purpose of this paper? The purpose is to visualize the basic developments of the Double Torus Theory and its formulations. Therefore 14 handwritten sheets are shown, which present a raw overview of the DTT by handwritten explanations. The details are earlier describes in several of my vixra 'papers'. The 14 sheets are:

1. Development of the DTT (Double Torus Theory).
2. Evidence for the DTT shown in the CMB (Cosmic Microwave Background)
3. Evidence for a negative curvature as a sign for the torus-shape of the universe.
4. Evidence of a Twin-Force-Field, which fits a main formula of the DTT.
5. Evidence for the non-existence of the old Big Bang dark energy.
6. Awareness of a new dark matter-force that fits the DTT .
7. Evidence for the 'Window of visible matter' (Wvm).

8. Visualization of the Wvm in the DTT.
9. Lamda-dimension related to the Wvm-dimension.
10. The Wvm in the rotating sub-time-torus.
11. Calculation of the Wvm at the edge of any rotating sub-time-torus.
12. Electrons to be blocked by the Twin-force-field, which surrounds the earth.
13. No Big Bang, but Double Torus Universe; the Big Bang is an illusion.
14. Overview of the Wvm related to electron-topology and dark matter time-densities.

The arrival of DTT was in 2008. It slowly developed to a stage that I was aware of the end of the Big Bang Theory. But not the end of General Relativity (GRT) and Quantum Theory (QT). These theories remain valid in the DTT. Although the DTT refines time by the implementation of 2D-time smaller than the Planck-time, conformal time remains part of human experiences.

One can imagine the DTT as a new observation of the universe in a way historically the Sun was thought to orbit the earth from east to west. In practice several scientists became aware at that time the earth had an orbit around the sun from west to east. In the same manner the DTT-universe is an opposite observation of the Big Bang.

The DTT is based on turning inside-out the conformal time universe. This may be justified because an increasingly awareness is rising about the non-existence of event-horizons of black-holes, because event-horizons apparently do not exist. The discussion is going on already for a long time, but according theoretical and experimental supports of distinguished scientists it is in line with the rules of QT that information cannot disappear in the universe. Theoretical simulations performed the birth of supernovae-black hole-mechanisms and analyzed that a firewall paradox prevented an event horizon to form[2]. An event-horizon seems to be an axiomatic formula in old theories. The argument that the GRT predicts event-horizons can no longer be maintained, because the GRT is limited to the Planck-scale. In that respect I formulated my sub-quantum manifest in 2004. In that manifest I described the information-loss in the universe by two different effects: Using evaporation of a black hole (which is a small-scale high density matter-'universe') and the path of light-beams through the universe (which is a large-scale low energy-density in the 'universe'). For these details I refer to my website (button: sub-quantum manifest) to look at these formulations[3].

The main-issue I figured out is the event-horizon of a black hole could not exist, because it is always laying $3/\pi$ in front of a black hole surface, even for a Planck-surface, which is the conformal limit. The event-horizon is continuously in front of the gravity-density. It lasted to 2014 before institutionally theoretical proof was communicated that an event-horizon is most likely not really present in this limited situation. Even S. Hawking, the 'father of black hole details', made this public[4]. Then in 2005 I started to think about turning the universe inside-out by also adding time smaller than the Planck-time to our cognitive (physical) universe. In this manner the cosmological horizon (the Hubble-radius) could be located in the presence, instead of 'out of sight' at the edge of a far-away hidden space-time of the Big Bang Universe. This stimulated me by formulating a new dark energy force in 2008. I call that formulation 'my thought-experiment'. The formulation used a scaling-away principle of black holes. In detail it can be read in a specific vixra-article of mine, but the main-issue was: Finding the connection with the inside-out turning of black holes. This exercise evolved into a new time-related universe with a new dark energy force (Fde) related to an amount of new dark energy (Y); not the old dark energy from the Big Bang. The Fde-formulation was a kind of axiomatic formula,

which mathematically was analyzed with the help of Christopher Forbes PHD-physics/ mathematician, and who was a Fellow of the Royal Astronomical Society in the UK. Sadly enough I lost contact with him, but it was my moment to continue to write several papers to develop my idea of the Double Torus Theory solely.
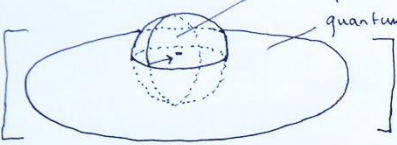
2. Preface to the sheets.

The 14 sheets presented here in this paper are a 'raw' presentation with details about the DTT-mechanism. These are also described in other vixra-articles of mine. I found it sufficient to present these sheets as a handwritten-overview. Such decisions I can make , because I am an independent cosmologist, who is not affiliated to any institution. It is also a kind of protest against the institutional peer-review mechanism, whose elite neglects reforming science. But any mathematician may contact me for a contribution to their institutional articles. I call for such reactions also to everyone who is interested in the DTT. My background began with painting since my childhood (a large collections paintings is available nowadays, see my website), but I also studied institutional electronics, general-management and later on continued as an autodidact to study art-history, science-history and politics. Regularly I still paint to pick-up what physical-reality might hide for secrets. This stimulates to develop my new cosmology. Nowadays I am retired. That doesn't withhold me from proclaiming the Double Torus Universe.
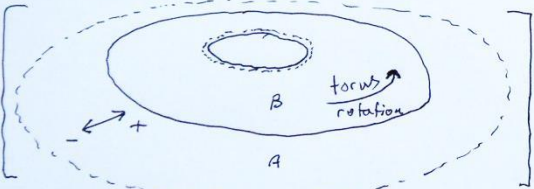
3. Sheets (in total 14)

Sheet 1: The original new dark energy force formula (A). In (B) the formula for the combination of quantum Newton force and sub-quantum dark matter-force dimensionally showing that space has 5 dimensions more than 3 and time has 2 dimensions more than 1. Such a torus universe has to rotate.

Reformation in 2014

C.

Reformation F_{de}

$$F_{de} = g F_N^{\frac{\hbar}{\hbar}} \otimes sg\, F_{du}$$

$$g F_N^{\frac{\hbar}{\hbar}} = M_{vm} \cdot k_{de}^{\frac{1}{2}} \boxed{m^2}_{1,2}$$

$$G < \hbar < 1 \geq G > \hbar \geq 0$$

surface = cosmological horizon

M_{vm} = visible mass

$$k_{de}^{\frac{1}{2}} = \left(\frac{c^5 L_{pl}^2}{2\hbar}\right)^{\frac{1}{2}} \left[\frac{m}{s^2}\right]$$

1) For $\hbar = G \Rightarrow k_{de}^{\frac{1}{2}} = \left(\frac{c^5 L_{pl}^2}{2G}\right)^{\frac{1}{2}} = 1,78 \times 10^{-14} \frac{m}{s^2}$

smallest Newton acceleration (experimental detected on $5 \times 10^{-14} \left[\frac{m}{s^2}\right]$

$$sg\, F_{du} = m_{du}^2 \boxed{m \cdot m}^2 \pm \frac{m}{s} \cdot k_{de}^{\frac{1}{2}} \left[\frac{m}{s^2}\right]$$

$$Sg\, F_{du} = m_{du}^2 \cdot k_{de}^{\frac{1}{2}} \left[(m^2)^3\right] \quad \text{dark (3D)} \\ \text{flow.}$$

$m_{du}^2 = (M_a) \cdot (M_b)$

2) For $\hbar = 1$ (G=1) $\Rightarrow k_{de}^{\frac{1}{2}} = \left(\frac{c^5 \cdot L_{pl}^2}{2}\right)^{\frac{1}{2}} = \times 10^{-30} \left[\frac{m}{s^2}\right]$

on the surface = cosmological horizon

M_a and M_b are my 'duonistic neutrinos'

3) For $\hbar = 0 \Rightarrow k_{du}^{\frac{1}{2}} = G(\pm 1 \pm i) \left[\frac{m}{s^2}\right]$

complex G

• These formulations cause experimental evidence.

Dan Visser, Almere, the Netherlands; overview DTT on December 2014 $3 \boxed{}_{?} \bigcirc_{1} \bigcirc_{2}$ For see page 3

Sheet 2 and 3 (above and below): Details explain the torus-rotation and points to evidence in the CMB (Cosmic Microwave Background radiation).

These dimensions cause experimental evidence.

1. $\boxed{m^2} \times M_a$ forms a circle (a) $\longrightarrow$
2. $\boxed{m^2} \times m_b$ forms a circle (b) $\longrightarrow$

(a) and (b) are concentric circles! for an observer in the torus

3. $\boxed{m^2 \cdot m^2}$ forms the torus topologically

$k_{de}^{\frac{1}{2}}$ makes this torus to rotate.

The experimental evidence could be observed in the CMB, as follows (I and II)

The rotation causes a dipole of Hot (H) and Cold (C) CMB for an observer in the torus.

I

sqe (sub quantum effect)
quantum effect (qe)
====> all over the CMB. very small temperature-differences

II

temp. higher differences

Hot   Cold

CMB Surface

CMB concentric circles (≈ 350) for an observer in the torus.
(Originally predicted in the CCC-theory of Penrose and Gurdazyan)
Dan Visser, Almere, the Netherlands; overview DTT on December 9 2014.
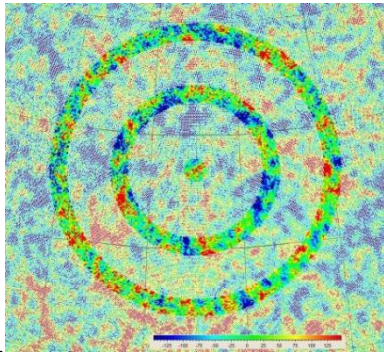
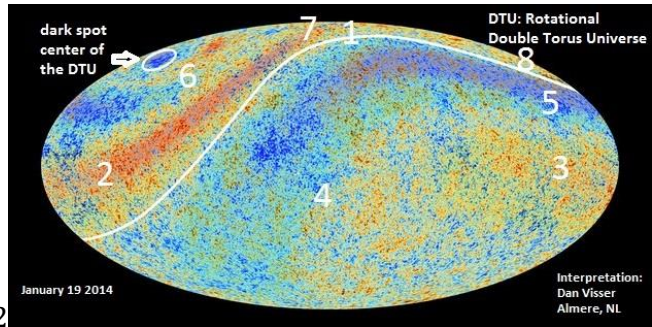Fig. 1   Fig. 2

Fig.1: The practical evidence of Concentric Circles in the CMB. Approximately 350 of those concentric circles are distributed all over the CMB. Originally these observations were established by the CCC-theory of R. Penrose and V. Gourzadyan as evidence for the non-existence of 'cosmic inflation in the Big Bang Universe'. But I think this can be better related to my Double Torus Theory, because the details of my visualization reveal a match with these concentric circle- structure (the evidence was published after observations of Boomerang and WMAP data). The DTT also doesn't need cosmic inflation. The concentric circle-structure is a combination of quantum and sub-quantum dynamics as predicted by my DTT-formulation.

Fig. 2: This is the dipole-anomaly of the CMB. I earlier showed this could be related to the rotating torus (below) in Fig. 3.
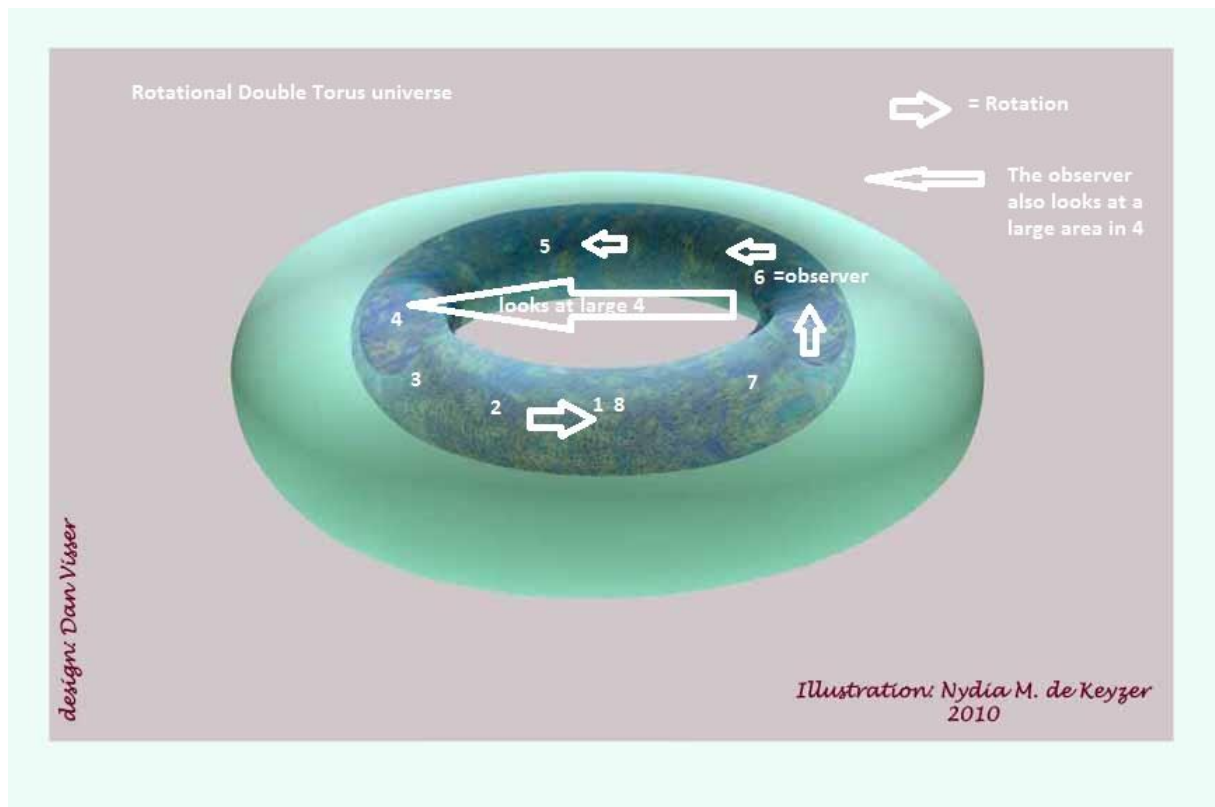

Fig. 3: Rotation of the DTT related to dipole-anomaly in the CMB.

Sheet 4: Examples of evidence predicted by the Fde-formula of the DTT, which discards the Big Bang Theory.

Besides the available evidence for the DTT in the CMB, there is also evidence nearby! Sheet 4 point IV shows a Twin-Force-Field surrounding the earth, which must exist according to my basic Fde-formula. The Fde is called the DTT dark energy force and predicts the combination of quantum Newton-force and sub-quantum dark matter-force. That has to generate the Twin-Force-Field. Amazingly astronomers experimentally have detected such a Twin-Force-Field. It blocks electrons with a specific frequency (energy). The blocking could be related to surface-edges of two tori, representing the quantum Newton-force and the dark matter-force . Current theories do not understand well this new force-field, however, within the DTT formulation it is 'in-line' with the Fde .
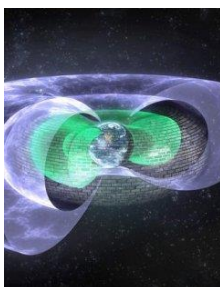

Fig. 3 (source): Magazine 'Be Boulder', The University of Colorado): Scientists have discovered an invisible shield roughly 7,200 miles above Earth that blocks so-called "killer electrons," which can fry satellites and degrade space systems during intense solar storms. Illustration by Andy Kale, University of Alberta [5].

V   Evidence for the old Big Bang dark energy doesn't fit in the Big Bang.

a) 'Thought' means that cosmologists don't understand dark energy in the Big Bang. In flat-space the matter-density $\Omega_m = 1$. Combining this with 'old' dark energy, follows: $\Omega_m + \Omega_\Lambda = 1$. But the density caused by the 'cosmological constant' Λ (responsible for the accelerating expansion of space) is $0.2 - 0.4$. So here is the first mis-fit : $\Omega_m + \Omega_v \neq 1$!

b) A Big Bang with 'cosmic inflation' must accelerate for $W < -\frac{1}{3}$; where $W = \frac{P}{\rho}$. Indeed $W \cong -1$, experimentally $W \cong -1,015$. However, combined with related new research $W \cong -1,186$. So there is the second mis-fit: $W \neq -1$?

osmic-inflation and a cosmological constant violate the Big Bang!

c) Moreover, the CMB (Cosmic Microwave Background) shows 4 primordial pulses in the observational results. That must be characteristic for another dynamical beginning of the universe ; Not by one pulse 'Big Bang ?' So, here is the third mis-fit. The Big Bang violates itself ?

d) Quintessence allows $W \neq -1$, but still starts with the Big Bang. So there is the fourth mis-fit ! No Quintessence !

Dan Visser, Almere, the Netherlands on December 9 2014

Sheet 5: Old dark energy doesn't fit the Big Bang no longer. Neither does Quintessence, because that theory still holds on to the Big Bang. Sheet 6 (below): 'Technicolor' is dark matter force[6,7].

VI   A New force is predicted in the Standard Big Bang Cosmology, but can be related better to the Double Torus Theory with a rotating Torus-universe (DTT)

a) 'Technicolour' is the new force as an alternative for the Higgs-force, which also gives mass to elementary particles. However, 'technicolour' is deviated from the Strong-field-interactions, called Quantum Chromo Dynamics (QCD) in opposite to the Higgs-field, which is related to the Weak-force. Technicolour also predicts the 'boson'-value of $126 \frac{GeV}{c^2}$, as for the Higgs.

b) The 'technicolour-framework' uses the g'-factor. For example $g' = (g-2) \pm 1\delta$ is the magnetic moment for 'muon'- (heavy electrons) minus electron-magnetic moment ($\pm$ a deviation). A related grafic shows that g' may include a new force. The DTT predicts this is a dark matter-timedensity: $m_{dm} = \frac{387\,GeV}{s^3} \times \frac{c^2}{s}$

Dan Visser, Almere, the Netherlands, on December 9 2014

VII   Evidence of a **W**indow for **V**isible **M**atter (New).

Definitions

$$W_{VM} = \frac{\not{k} \times k_{de}^{\frac{1}{2}}}{g' \times \wedge}$$

Wherein

New formula by
Dan Visser, Almere
the Netherlands
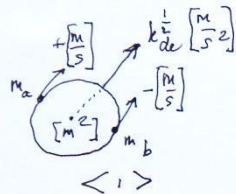On december 9 2014

W_{VM} is the ratio of two products ⓐ,ⓑ

ⓐ the product of Subquantum particles m_a and m_b describing a circle at the torus-surface, where $G_{a,b} = 1$ and where $g F_N^{G=1}$ acts, which gives the definition $\langle 1 \rangle$ and which presents the cosmological horizon of the torus.

ⓑ the product of composed particles in an **accelerating expansion** of a quantum-surface

1) $\not{k} = G_{a,b}$ (Variable Newton constant) with $G \leq G_a \leq 1 \geq G_a \geq G_b \geq 0$.

2) $k_{de}^{\frac{1}{2}}$ is the torus-acceleration directed to the torus-centre (page 2).

3) $g' = g - 2$, which is the total magnetic moment of composed particles. The value "**2**" is the precise magnetic moment of an electron (point-particle and following the spin-topology of $5 D_S \times 2 D_{t_{a,b}}$ with $t_{a,b} < t_{planck}$.

4) $\wedge$ is the "old" cosmological constant in the GRT (Einstein)

5) $\langle 1 \rangle$ means the event-horizon in GRT ⚹ QT does not exist; Instead the event-horizon is at the edge of a cosmological torus.

Sheet 7: Window for visible matter (NEW !!). Sheet 8 (below): Visualization, ratio and dimension of the Window of visible matter (Wvm).

VII continue
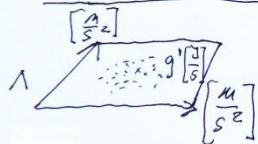
Visualization of Definitions of **W**$_{VM}$ (page 7)

Ratio - - -

The subquantum particles m_a and m_b at the edge of the torus-surface $\langle 1 \rangle$ where $G_{a,b} = 1$, of which the torus-existence is guaranteed by the acceleration $k_{de}^{\frac{1}{2}}$ to the torus-centre

A quantum-surface of composed particles, which is accelerated-expanding in vacuum-energy-density ρ_{vac} accourding to the existent formula:

$$\wedge = 8 \pi G \rho_{vac} \left[rad \cdot \left(\frac{m}{s^2}\right)^2 \right] \quad \text{(see page 9)}$$

This visualisation leads to the definite dimension of the Window **W**$_{VM}$ (on page 9).
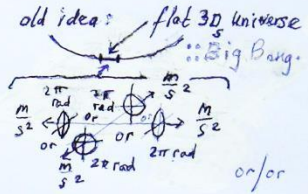
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VIII Dimensions of Λ (in the old Big Bang) and W_{VM} (in the new DTU)

1) The dimension of Λ

$$\Lambda = 8\pi G \rho_{vac} \left[rad. N. \frac{m^2}{kg^2} \cdot \frac{J}{m^3} \right] = \left[rad. N. \frac{m^2}{kg^2} \cdot \frac{N_m}{m^3} \right] = \left[rad. \frac{N^2}{kg^2} \right] =$$

where G is Newton's constant
ρ_{vac} is the vacuum energy density

old idea: flat 3D universe
∴ Big Bang.

$$\left[rad. \frac{N^2}{kg^2} \right] = \left[rad. \frac{kg \frac{m}{s^2} \cdot kg \frac{m}{s^2}}{kg^2} \right] = \left[rad. \left(\frac{m}{s^2} \right)^2 \right]$$
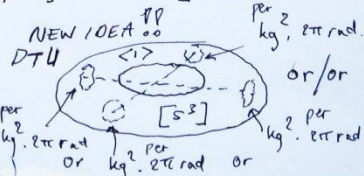
2) The dimensional definition of W_{VM}

$$W_{VM} = \frac{G \cdot k_{de}^{\frac{1}{2}}}{g' \cdot \Lambda} = \frac{G \cdot k_{de}^{\frac{1}{2}}}{g' \cdot 8\pi G \rho_{vac}} = \frac{k_{de}^{\frac{1}{2}}}{g' \, 8\pi \rho_{vac}} \left[\frac{\frac{m}{s^2}}{\frac{g}{s} \cdot rad. \frac{J}{m^3}} \right] =$$

$$\left[\frac{\frac{m}{s^2}}{kg \frac{m^2}{s^2} \cdot \frac{1}{s} \cdot rad. \, kg \frac{m^2}{s^2} \cdot \frac{1}{m^3}} \right] = \left[\frac{\frac{m}{s^2}}{kg^2 \frac{m}{s^5} \cdot rad} \right] =$$

$$\left[\frac{\frac{m}{s^2} \cdot \frac{s^5}{m}}{kg^2 \, rad} \right] = \left[\frac{s^3}{kg^2 \, rad.} \right] =$$

NEW IDEA
DTU

$$M_{AM} = \frac{387 \, GeV}{s^3} \times \frac{c^2}{s}$$

per $kg^2 \cdot 2\pi \, rad.$
or/or
per $kg^2 \cdot 2\pi \, rad$

per $kg^2 \cdot 2\pi \, rad$
or $kg^2 \cdot 2\pi \, rad$ or
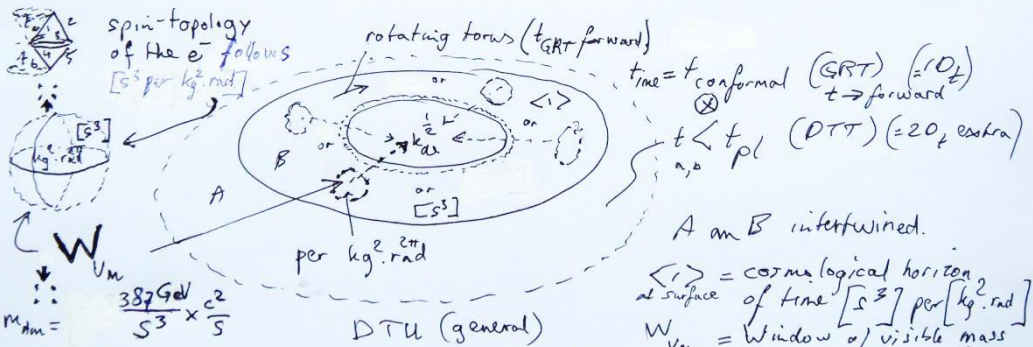
DTU = Double Torus Universe (see page 10 continue)

Sheet 9: Dimension of Wvm without Lambda. Sheet 10 (below): The Wvm in any sub-time-torus capsules 3D-time-sphere for any observer. The related e⁻ spin-topology is also shown.

IX The DTU (general) of the DTT and the Window for visible mass.

The DTU (Double Torus Universe) exists conformal time t (10_t) and two time-dimensions smaller than the Planck-time ($2\,D_{t_a,b} < t_{pl}$). The DTU is a 3D time-torus per mass-surface ($kg.rad$) made by 4 possible directions into a torus-shape.

This DTU is a general representation, thus for any $\left[\frac{s^3}{kg.rad} \right]$ dimension

The torus-representation follows from $k_{de}^{\frac{1}{2}}$, which is the torus-acceleration towards the torus-centre.

spin-topology of the e⁻ follows
$[s^3 \text{ per } kg.rad]$

$[s^3]$
$kg.rad$

W_{VM}

$M_{AM} = \frac{387 \, GeV}{s^3} \times \frac{c^2}{s}$

rotating torus (t_{GRT} forward)

time = $t_{conformal}$ (GRT) ($=10_t$) $t \to$ forward

$t < t_{pl}$ (DTT) ($=2 0_t$ esstra)

A an B intertwined.

$\langle i \rangle$ = cosmological horizon at surface of time $[s^3]$ per $[kg^2.rad]$

W_{VM} = Window of visible mass

per $kg^2.rad$

DTU (general)

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X Calculation of W_{vm} at the edge of any rotating torus.

$$W_{vm} = \frac{k_{de}^{\frac{1}{2}}}{8\pi g' \rho_{vac}} = \frac{1.78 \times 10^{-14} \left[\frac{m}{s^2}\right]}{25.12 \left[rad\right] \times 1.6 \times 10^{-6} \left[\frac{y}{s}\right] \times 10^{-8} \left[\frac{y}{m^3}\right]}$$

$$W_{vm} = 4.45 \times 10^{-2} = 4.45 \% \left[\frac{s^3}{kg^2 \cdot rad}\right]$$

which means : we live in a 4.45% visible time-world(3D) per rotating mass surface.

a) As you can see $g' \cong 1.6 \times 10^{-6} \frac{y}{s}$, which is the energy per second due to the magnetic moment of the particles of the new force (the dark matter-time density).

b) It also proves that $F_{de} = 10^{-114} \times 10^{+114} = 10^{0} = 1$, which means

F_{de} compensates $\left\{ from \ 10^{-8} \frac{y}{m^3} \rightarrow 10^{+114} \frac{y}{m^3} \right\}$ the rather much too large factor of

$\underbrace{\qquad}_{GRT \ factor} \ 10^{-122} \ \underset{QT}{\nearrow}$

the calculated ρ in the Quantum Theory. I already calculated F_{de}^{vac} in earlier 'papers' an 10^{-114}.

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Sheet 11: Calculation of the Wvm for the visible matter is approximately 4.45% visible matter.
Sheet 12 (below): Blocking the electrons by the earlier described new Twin-Force Field.

to continue of X : Electrons blocked by a Twin-force-field!

c) The evidence for my formulation $F_{de} = g F_N^{G=1} \otimes tsg F_{dm} \left[\frac{m^8}{s}\right]$ represented by the recently discovered Twin-force-field (surrounding the Earth) enables a calculation to show that (high energetic) electrons can be blocked. This is illustrat by the Window W_{vm}

this $k_{de}^{\frac{1}{2}}$

$$W_{vm} = \frac{1.78 \times 10^{-14}}{8\pi \times 2 \times 10^{-8}} = \frac{1.78}{50.24} \times 10^{-6} \left[\frac{s^3}{kg^2 rad}\right]$$

$\cong 3.54 \times 10^{-8}$

This ρ_{vac}

This is the four-possible-positions to form the torus (see page 10)

this is the magnetic moment for electrons, which makes W very small, and thus which are blocked to contribute to the visible reality of the time-sphere in the DTT (per rotating mass-surface)!

Thus : Blocking of electrons by the Twin-force-field conformal to my formulation.

Dan Visser, Almere, the Netherlands, on December 9 2014

XI. No Big Bang, but Double Torus Universe.

The existence of observers of the universe is located in a rotating torus, which generates 'dark matter – time – densities' emerging a window for the visible material World.

3 D – space time can be splitted into visible mass and dark matter–mass, however, dark matter–mass is based on energy emerging from time smaller than the Planck–time. Such a refined time affects the quantum World. The energy related to this sub quantum–World is not applied in Standard Physics and Cosmology. It is time to do that!

An Overview shows the visualization of my Double Torus Theory. The development is described in an arsenal of Vixra–papers.

Dan Visser, Almere, the Netherlands on December 9 2014

Sheet 13: Non-existence of the Big Bang. Sheet 14 (below): Space is no longer the issue. Time (conformal and refined) is the issue. Dark matter are time-densities.

Sheet 14.

4. Notes.

a. The electron spin-topology (which forms the so called honeycomb-structure in 3D-space and 1D-conformal time), shows the additional evidence for a 3D time-sphere in the rotating torus of the DTT, just as former of my vixra-papers dimensionally supported that by an energy-density in the 3D time-sphere, as part of a rotating time-torus.

b. Two models are available for the accelerated expansion of the Big bang universe. Therein pressure and density are related $\omega = p/\rho$. For the cosmological constant $\omega = -1$ at a flat universe. The other model, called quintessence, predicts an ω which is not -1. Thereby the project Pan-STARRS has observed about 146 supernovae, which gives an $\omega = -1,015$. However, a combination of related research with BAO, Planck and H0, gives an $\omega = -1,186$. This was the argument for Scientific American to doubt the cosmological constant of the GRT in the Big Bang.

c. The magnetic moment used for composed particles (g') are substituted in the window for visible matter (in this paper) at a value of $g' = 1.6 \times 10^{-6}$ [J/s]. This is a much smaller value than the value predicted in the graphic presented in reference [5]. However, the smaller g' is related to the new dark matter-force of [387 (GeV/s^3) x (c^2/s)]. As one can see, this is an energy time-density producing a light-flash in conformal time. I wrote a paper about that separately.

d. References given in this paper are also referring to distinguished science-magazines, which often comprehend the original article(s). I choose to refer to these in order to give a more complete picture of the evidence.

e. We are used to matter-density that curves space-time in vacuum. But we are not used of matter-density in vacuum that is contra-productive to matter. Here we talk about the dark matter I describe as 'time-densities'. These densities involve 2D-time smaller than the Planck-time.

f. There are a lot more examples of evidence for my DTT, such as my calculation of the torus-acceleration of 1.78×10^{-14} m/s^2. This is a factor 2.8 smaller than the experimental value of the smallest (quantum) Newton-force (5×10^{-14} m/s^2). Technology still prevents to detect such a smaller value, but other investigations (experimentally) confirm such a value matches also deviations in the orbit of fly-by and GPS satellites. The smaller value I calculated is in line with the effects of dark matter, however, not interpreted as solid matter, but as 'time-densities' (see point c). I also wrote vixra-papers about this subject.

g. Another example is that I calculated the high energy neutrinos, which were detected in the ICECUBE-project at the south-pole. I calculated them with the formulation of the DTT. I also wrote vixra-papers about this subject.

h. Then there is the problem of peer-review. Several times I submitted parts of my DDT-theory for peer-review (to Nature, EPJ, AAS and Springer), but the answers were always something about: "we are not used to such new information ", but mostly without any serios comment, such as "too many articles are submitted to us, so we are sorry not be able to publish it". It seems that only if one talks their language (this means: 'Stay in the Bang framework) , the submission will be accepted. Then there is the preprint and peer-review Arxiv (Coronel University), which rejects submissions from outsiders (unless you have friends within their network), because their endorser-system fails dramatically: Endorsers find it too risky to involve in submissions from 'outsiders of the institutions', because they are threated to lose their status quo as a scientist, if something is wrong or too odd.

i. The only intelligent archive is vixra in my opinion. There is always the possibility some subject reveals new physics and cosmology. However, vixra is considered as a kind of dissident club. Mechanisms to participate in, concerning citations of vixra-articles, are neglected by the institutions. Such behavior screams for a court-case performed by vixra to fight for acknowledgement of their registered science-ideas and -data. My opinion is: Today's institutional science (anno 2014) fails to bring science at a respectful level; the internet brought the obligation for institutions to change their peer-review systems, but the institutions refuse to communicate better with information of scientists from outside the institutional walls. That has to be changed! In extension young students must be given legally the opportunity by their institutions to involve science-information from 'outsiders' legally into their studies.

5. Complementation.

I invite PhD-mathematicians to contact me in order to complete my Double Torus Theory. Cosmology-and and Physics have lost the overview of the amount of the evidence against the Big Bang. Such an overview is necessary to signal the pro-activity whether a rotating universe is indeed the case. The main-issue here is: 1. The use of time smaller than the Planck-time (refined time); 2. To leave the hope for supersymmetry (SUSY), because several times the evidence is published that SUSY is not confirmed by CERN); 3. The awareness that vacuum can be better described with 5 extra dimensions of space and 3 dimensions of time (conformal time and the extra refined time), instead of 8 extra space dimensions and 1 conformal time, which keeps us in a Big Bang-perception. And that is not the reality! I hope my contribution will help to revive that.

"We live in a universe of an eternally rotating 3D-time-torus at any cosmological horizon we like to be on during our existence in the combination of conformal and extended time of the Double Torus Universe. Over a hundred years one would see that space is not the issue any longer. Traveling through space will evolve in traveling through time-densities based on double-torus-transition-dynamics. Then wormholes are an old concept." DAN.

6. References.

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