

Majorana-Particles Can Be Implemented In A New Cosmological Theory.

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Abstract.

This paper describes how experimentally detected Majorana-particles fit a new cosmological theory. This theory is called the rotating Double Torus Theory (DTT). It is extensively described by a cascade of articles, which are published in the vixra-archive by the author. However, although Majorana-particles will contribute very likely to the development of stable quantum-computers in the near future, they also can be implemented in this new cosmological theory. This introduces a completely new aspect of cosmology, and despite how hard it is to get acknowledgement for the DTT, it also might contribute to the understanding of evidence that is already available for the rotation of the 'new' universe. This paper also explains why the match of the 'Majorana matter-force' and the DTT, leads to a principle of an anti-gravitational machine based on the control of the combination 'Majorana-DTT-dynamics'.

Introduction.

Since 2009 the Double Torus Theory (DTT) has been given form by Dan Visser, who developed this theory in a mature-aged period of his life. Besides he is an independent cosmologist, he is an art-painter too, meanwhile retired. This may be unusual for developing new ideas for cosmology, which is mostly done by younger people. However, DAN's motto is: *Art investigates reality and that emerges scientific ideas*. In this sense he also studied electronics, art, science, art-and science-history and politics during his career. However, his articles are written in his own language of physics-mathematics, while several calculations pin-point real experimental found values. This may be weird, because his starting point is a different kind of universe than the Big Bang universe. This marks his solitary and non-institutional affiliated methods.

Majorana particles fit new cosmological theory.

Forget the Big Bang !! We live in a rotating universe. This means the universe rotates as a system as a whole. So, not only galaxies and planets rotate. During the universe-rotation reality is part of a recalculating system. The recalculation uses time smaller than the Planck-time (refined time). But refined time is excluded in the Big Bang-theory. However, in my new cosmological theory of the Double Torus, I did involve that refined time.

How can we then observe such a rotating universe? This is difficult with telescopes on earth and satellites orbiting the earth, because we are limited to observations by the light-spectrum of visible matter. This is only 4.45% of the 26.8% dark matter. Both take part in the rotating universe. Their sum is 31.25%. So the part of 'total matter', which we are not able to observe, is 26.8 % divided by 31.25% multiplied by 100% is 85.76%. For the observation of a rotating torus-universe then remains just more than 14% !! This is not much !! Because after subtraction of the visible 4.45% approximately 9% remains as unknown matter. This must be a third form of matter. But then after reading about the experimental manifestation of Majorana-particles I thought maybe the third form of matter can be implemented in the DTT. After I researched this in my DTT, I came to the conclusion this could be right. It fits the elementary-concept of the DTT, which is based on 'duonistic neutrinos'. These are the original Majorana-neutrinos, neutrino and anti-neutrino, respectively spinning left-and right-handed (while right-handed

neutrinos don't exist in standard reality, where refined time is excluded). However, both exist separately as neutrino-time-densities in my DTT and are correlated to time smaller than the Planck-time. This could be read in my vixra-archive-articles.

My scientific articles about these elementary formulations were put in perspective of a dark matter force (sub-quantum) and Newton-force (quantum) both combined in the DTT! This combination enhances a new dark energy. This is not the 'cosmological constant' in the Big Bang universe. DTT-dark energy is much more detailed. Now, additionally the experimental Majorana-particles (firstly detected in the Netherlands, Delft, and secondly in the USA, Princeton) strengthen my formulations as evidence for a rotating torus-universe.

I suffice by giving a popular article-reference to make the understanding easy [1]. Then related to my DTT it shows, that a rotational encoded curved quantum-chain could perform the recalculation-process of the quantum-dynamics by sub-quantum-time. This recalculation can be imagined by the separated and mutual rotation of the Majorana-particles during their simultaneous rotation in a dark- and visible matter-torus. Dark- and visible reality are coupled. Within this process dark matter is not assumed as solid particles, but as time-densities. As said, this is caused by the refined time being the time smaller than the Planck-time.

What the DTT-model thus explains, is the existence of dark matter-time-densities, visible matter and Majorana-matter in mutual relation. This is all combined in a rotating torus with time-events we are familiar with, but simultaneously extended by time-events, which escape the conservative gravitational characteristics of Big Bang dynamics. This means the Double Torus Universe is not emerged from a Big Bang.. The Double Torus is one torus of dark matter and visible matter, which is enclosed, and intertwined, by a second torus of refined time.

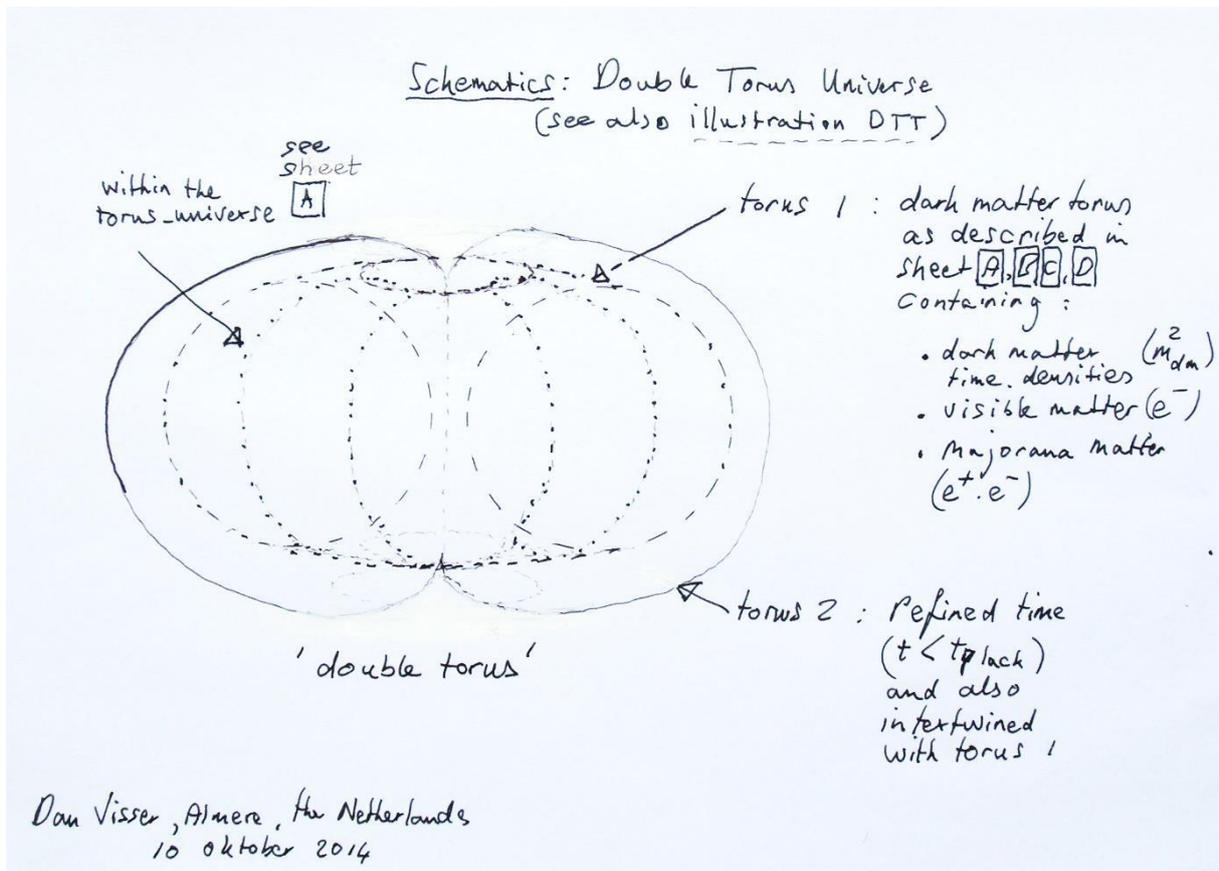
Schematics and images.

Scheme-1 is given to start with an explanation for why, and how, Majorana-particles can be combined with the formulations of the Double Torus Theory (DTT). This scheme refers to a following sheet (wherein A,B,C,D parts). Part A explains the Majorana-dynamics to fit in the dynamics of the inner dark matter torus of the DTT.

Also an illustration of the DTT is given and additionally a photograph of the author.

Handwritten details offer extra understanding, extended with word-descriptions.

Then the idea of an *anti-gravitational machine* is introduced. Not as a hype of the many descriptions published in the past, but as a serious idea to build such a machine. Such is based on the quantum Majorana-chains configured in dark matter-torus-dynamics. I know this might be weird, but as soon as stable quantum-computers are built, the step towards anti-gravitational dynamics is less far away than one should think. In my view one could be aware of a totally other principle to travel through space than currently is done anno the 20-th century. It is not travelling through wormholes, but travelling within time-densities between sliced-borders of local reality and an extra-local reality. This is powered by the dark matter force of the DTT. One might say: *This looks like surfing on the superconductive edge of a deeper vacuum-layer !*



Scheme-1: Introduction of to the combination Majorana-dynamics and formulations of a rotational DTT-universe (see scheme-2).

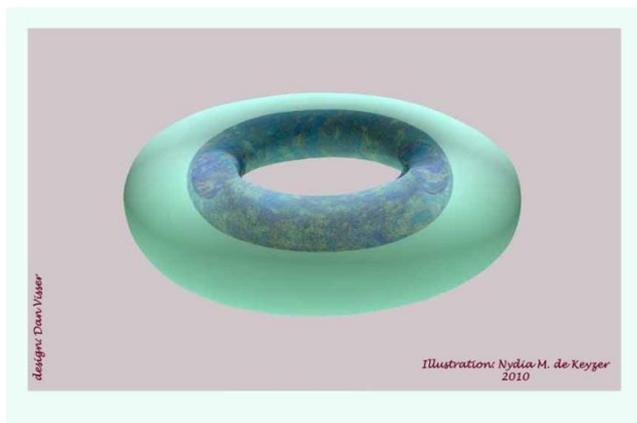
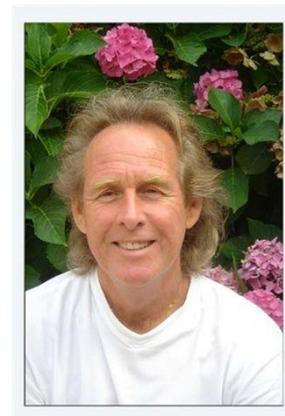


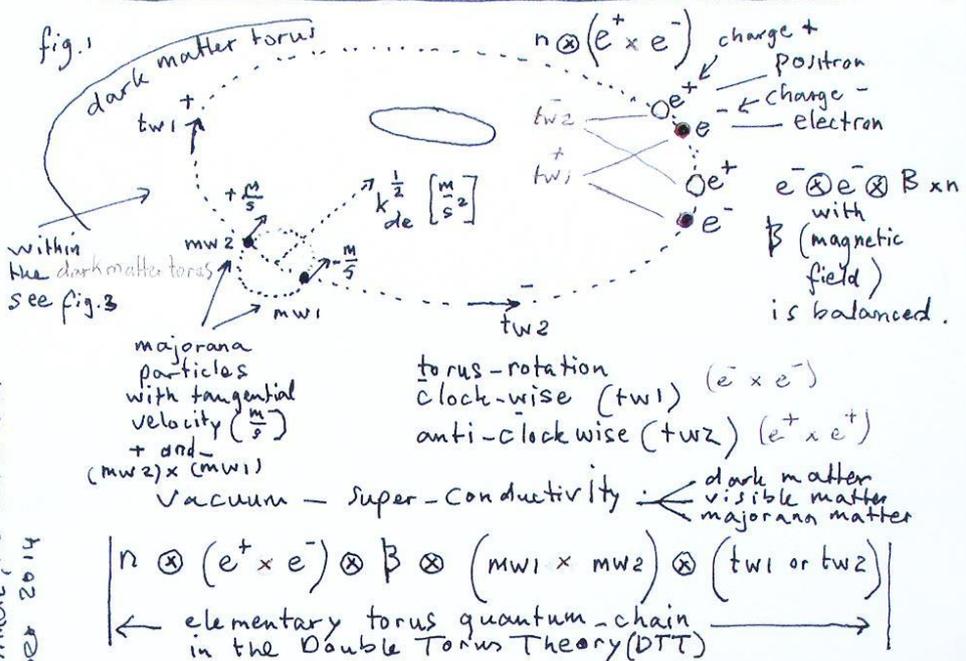
Illustration: Double Torus Universe, DTT, rotating and eternal.



DAN Visser *1947, in 2008.

As explained in scheme-1 the next page shows scheme-2 to offer detailed explanations of how I think the implementation of the Majorana-particles can take place in the DTT..

A Combination Majorana-particles and Dark matter torus



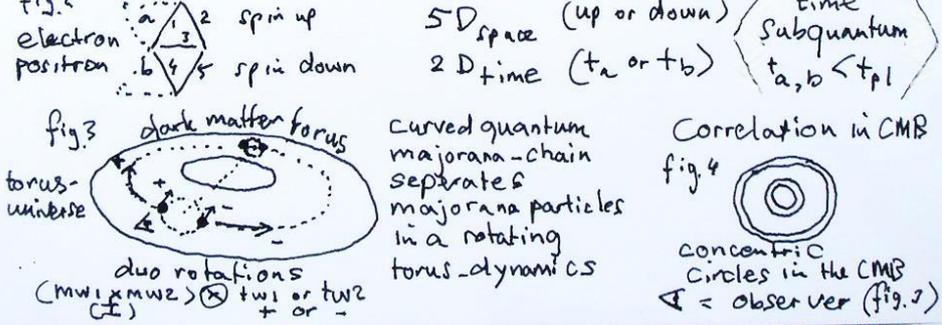
Dan Visser, Almere, the Netherlands, 10 october 2014

B Formulation Dark matter force F_{dm} in the DTT:

$$F_{dm} = m_{dm}^2 \left[m^2 \cdot m^2 \cdot \frac{m}{s} \right] \times k_{de}^{\frac{1}{2}} \left[\frac{m}{s^2} \right]$$

$$F_{dm} = \pm m_{dm}^2 \cdot k_{de}^{\frac{1}{2}} \left[\left(\frac{m^2}{s} \right)^3 \right] = \text{dark flow in the torus-surface.}$$

C Correlation with electron-spin-topology of point-particles:



D Formulation Dark energy F_{de} in the DTT:

$$F_{de} = m_{vm} \cdot k_{de}^{\frac{1}{2}} \otimes \pm m_{dm}^2 \cdot k_{de}^{\frac{1}{2}} \left[m^2 \otimes \left(\frac{m^2}{s} \right)^3 = \frac{m^8}{s^3} \right]$$

Dark energy in DTT \leftarrow $g = F_N \otimes \pm$ fig.1 \leftarrow $F_{dm} \otimes \pm$ fig.1 \leftarrow $tw1$ and $tw2$

$g = F_N \otimes \pm$ \leftarrow $F_{dm} \otimes \pm$ \leftarrow $tw1$ and $tw2$

$\left[F_{de} \text{ dimension} \right]$

$$k_{de}^{\frac{1}{2}} = \left(\frac{c^5 \cdot O_e}{2 \langle \langle \mathbb{K} \rangle \rangle} \right)^{\frac{1}{2}} \left[\frac{m}{s^2} \right]; \text{ wherein } \langle \langle \mathbb{K} \rangle \rangle = \langle \langle 0 \leq G' < G \leq 1 \rangle \rangle$$

wherein $O_e = L_{plack}^2$

Note: This sheet is a summarize of the development of my Double Torus Theory in vixra.org/author/dan_visser

Reference to scheme-2-fig. 4:

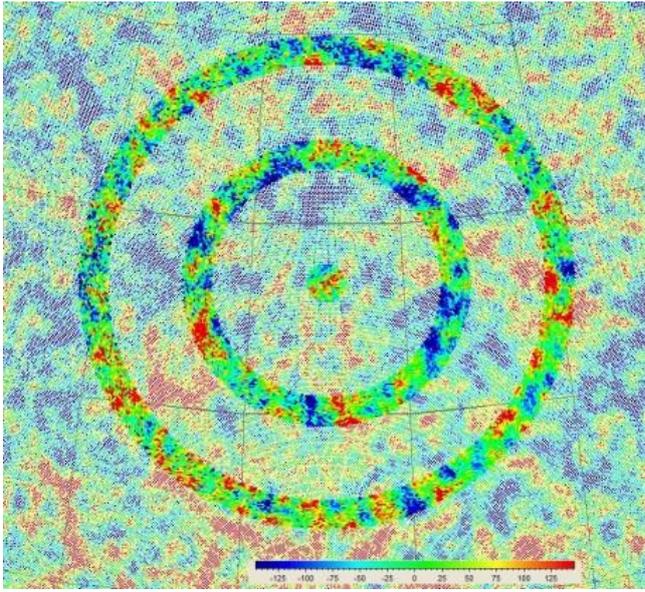


Fig. 1 (source: arxiv 1011.3706 Conformal Cyclic Cosmology , the CCC -theory of R. Penrose and G.V. Gurzadyan : Above: One of the concentric circles presented in the CCC-theory. There are about 350 of these concentric circles, of which the temperature-variations are a little bit lower than the surrounding temperature-variations. So, what I say is: *In a rotational universe also smaller and larger circles are to be seen in a CMB, which proves a rotating universe.*

Description scheme-2.

Part A of scheme-2 shows how two Majorana-particles mutual rotate separately (mw1 and mw2), after curving a quantum-chain of super-conductive electrons (each having their anti-electron, called positron). This is just in the same way as in the original formulations of the DTT, wherein Majorana-neutrinos (also being their own anti-particles) rotate mutual and separated as 'duonistic neutrinos'. The new implementation offers the Majorana-quantum-chain to be assumed to be better stabilized than single quantum-states, hence will stabilize the dark matter torus within the DTT.

Part B of scheme-2 answers the question, whether the Majorana-particles are fermions or bosons: In my view a single Majorana-particle is a fermion, but as a Majorana-quantum-chain in the DTT it is a force, hence a boson, and also described as a dark matter force. This force represents a dark flow in the surface of the torus.

Part C of scheme-2 correlates the electron-spin-topology to the dimensions of the dark matter force. Key-visualizations are 5D-space and 2D-time to express the electron-spin up- and down. The 2D-time are extra time-dimension, because electrons are point-particles in the Standard Model of particles and hence 2D-time dimensions is the only necessary option to express the space-manifestation of the electron-spin-state. The extra time is refined time, which means time smaller than the Planck-time. This is a key-characteristic of the DTT. It means the Majorana-particles are represented as these dimensional states (5D-space x 2D-refined time).

Also an important implication is that the DTT predicts *concentric circles* in the Cosmic Microwave Background of the universe (CMB). These are based on the two positional states of the mutual separated Majorana-quantum-chains in the two opposite locations in the torus. An observer then detects a larger circle around a smaller circle, where the smaller circle is correlated to the opposite location in the torus. The larger circle is closer to the observer. Remarkably concentric circles are detected by the WMAP-data. This data is used in an article of R. Penrose and G.V. Gurzadyan to assume the existence of a universe without cosmic inflation [2]. However, I show here, that can have a better place in a rotating universe, such as the DTT. It fits my formulations, also expressed in other of my articles and next to scheme-2 information.

Part D of scheme-2 shows how the dark matter force is part of a more wider equation, which describes a new dark energy force in the DTT. This is a different force than the 'cosmological constant of GRT in the Big Bang theory. The new dark energy force is described in a reference of the vixra-arcive [3]. I cannot repeatedly show these equations in every new paper. That would move the attention away from this paper.

Anti-gravitational machine.

As soon as technology is developed far enough to use quantum-computers, the step to fabricate an anti-gravitational machine is close by. The only thing needed is to curve the Majorana quantum-chains into a configuration of multiple parallel chains, which has to be controlled by amplifiers, which make the gravitational-, the neutral- and the anti-gravitational-characteristics of the quantum-chains of super-conductive electrons and Majorana-particles, stronger. Two plus (+) and two minus(-)-velocities of the mutual rotating Majorana-particles will cause + + velocity and hence, a gravitational state. The + - velocities will cause a neutral state. The - - velocities will cause an anti-gravitational state. Simultaneously through rotation of both along the torus, the equivalent gravitational states will cause a gravitation-, a neutral- and a non-gravitation-field, and everything that is in between. The chains can also be adjustable amplified.

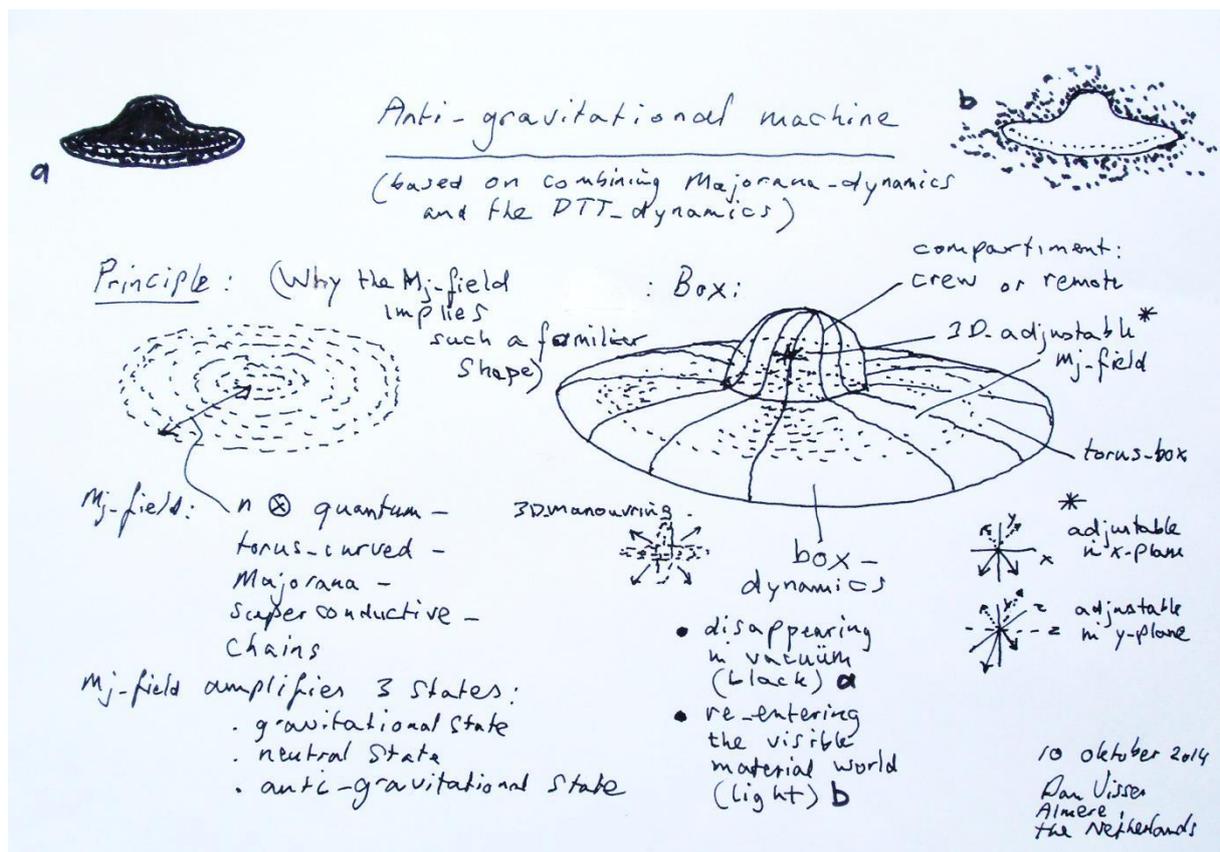
The chains are instruments to produce the dark matter force, which enables an observer to enter a slice-reality, which is located between local-reality and extra-local reality in a deeper layer of superconductive vacuum. This is as if one surfs at the edge of General Relativity (GRT). But GRT normally would capture the velocity at the light speed. This is not the case in the new situation: It is possible to travel in a deeper layer of a superconductive vacuum, not limited by the light speed and without the old idea of wormholes. Thereby the size of the anti-gravitational machine is dependent on the amount of quantum-chains in the Majorana-DTT-dynamical system. However, a certain size might be preferred and be more efficient to develop.

I call the prospect of a real anti-gravitation-machine: The *Mj-field-machine*. This machine exists of n-times torus-curved quantum-Majorana-chains. An equivalent name would be the *dark matter-force field-machine*. It is hard to believe why this principle implies such a familiar image for an anti-gravitation-machine as drawn in fig. 2. This could not be a coincidence. But it is easy to understand, because the principle of the Mj-field was not known before and hence not expected to fit in this kind of machine. It is not a mechanical system, but an electronic quantum-system with dark matter characteristics in a new cosmological theory, which are combined with Majorana-quantum-chains. This may be the lack why we could never understand why the shape should be so familiar with ufo-images of the past. This might mean that extra-terrestrial visitations do make sense after all, although a lot of associated images of their vehicle are faked

by earthy-persons. Normally my image (fig. 2) would degrade the idea of an anti-gravitation-machine caused by many host-observations of all kinds of ufo's in the past. But if I had to mention one phenomenon, then it would be the one that Portuguese pilots observed as I have drawn in fig. 2. This makes sense at least after all. It is trustworthy, because pilots are not stupid.

The *Mj-super conductive quantum-system* is adjustable in the x-plane and y-plane. So, travelling would be possible in 3D movements in the superconductive vacuum by limited angles of the adjustable Mj-field. A compartment can be part of the system, although just only a remote control is a reasonable option. Maybe a 'crew' may be present, who can take over that remote control.

There has a lot of work to be done before quantum-computers will occur in social life, but I predict from that time on, it will not take long before an anti-gravitational Mj-quantum-field-machine will be fabricated.



The prospect of a real anti-gravitational Mj-machine to travel at the edge of a deeper superconductive vacuum.

References.

[i] www.darkfieldnavigator.com

[1] Article in Scientific American

<http://www.scientificamerican.com/article/majorana-particle-matter-and-antimatter/?nocache=1#postcomment>.

[2] arxiv 1011.3706 Conformal Cyclic Cosmology

[3] www.vixra.org/author/dan_visser