Where exactly do Gravitation and Electrition come from?

As completely explained by me in my works TBA I, II, III, IV, V and my internet sites www.arcusuniverse.com/ www.no-quarks.com, all the forces of the world just derive from gravitation and electrition, from nothing else!

You surely expect a material cause of the gravity force that is absolutely acting all around as if it came from an ideal surface area of a sphere. Present physicists are simply explaining it as a point of dimension zero. Contrarily, nowhere on this world would be a real point. Zero is not real. If we were from zero, we all would be zero. This result would really be nothing!

It is a problem for me to explain the forces as ideally pulsating spheres. Look at yourself and recognize! We are spaces! We are not zeros.

Some readers may try to explain materially how my internal mass M_o would act by changing into external mass m_o of cosms/ particles. But doing this is impossible. You cannot say that these single internal cosms, my protocosms, would transmit something of the internal gravitation to the outside generating external gravitation of a stable cosm/ particle. No, the internal gravitation hides itself away internally, locked there in a completely isolated space. That's the end of discussion!

The internal matter vibrates by its pulsating space. Such a pulsating sphere was the very first gravitation of the Creator consisting of the real & primordial substance (RPS) from *Creator's* world. Just the Up and Down of this spherical surface of the very first product generates an ideal spherical wave like a shock wave comparable to scalar waves.

These ideal spherical waves are primary, consequently. Every appearances that we know as waves just are secondary products of movements of the primary matter, speed slower than c.

We know the electrition (the electromagnetism). The electric elementary charge is also a spherical wave (RPS) from the Creator's world carried by the gravitational spherical wave.

On this base, each gravitational spherical wave carries away the only electrical spherical wave except the neutrino what externally is a pure gravitational wave, internally it doesn't.

A difference of the gravity prevents from electrical hierarchy. Look, the gravitational hierarchy generates many features of gravitational spherical waves that pack themselves into each other. This way, we haven't only one elementary charge like in electrition ($\pm e_o$) as original spherical wave RPS, but we find some elementary and ideal spherical waves like the graviton, the subtron and made from them the proton, electron and electron neutrino. All the other particles and compact masses are combinations from them.

Such an ideal spherical wave is a pulsating bubble made from the primordial and real substance RPS. It is a spherical oscillator generating spherical waves acting into all directions exchanging their primary wavequanta.

Image 1: Illustration of a Spherical Oscillator
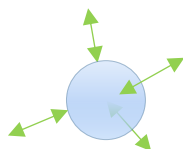
We are material products of that Creation. This is why we cannot prove these ideal waves as such. We are part of the complete construction named universe!

The Creator is like a DJ. He radiates the complete world from many spherical loudspeakers. In the beginning of all, he radiates from the very first bubbles (gravitons and subtrons) another feature of bubbles, the protons, electrons and electron neutrinos. This is a package of first loudspeakers inside of bigger loudspeakers.

But exactly, these spherical oscillators aren't loudspeakers. They don't send out music but shock wave impulses receiving shock wave impulses from all the other oscillators. This way, it isn't just an oscillator, but an emitter, receiver and resonator to the same "time".

Don't forget that the real time is the oscillating time period τ. The real distance or way is the oscillating wavelength $\lambda = c\tau$ (c is light speed in vacuum, $R_o = ct_o$). You cannot separate distance R and time t! Both bind together by the oscillations all over the universe!

A unit circle is the precondition for that you generate a cycloid or an angular function as sinus or cosine, etc.

Image 2: "Illustration 2.8;2: Cosmos Oscillation in Comparison to Friedman Cosm
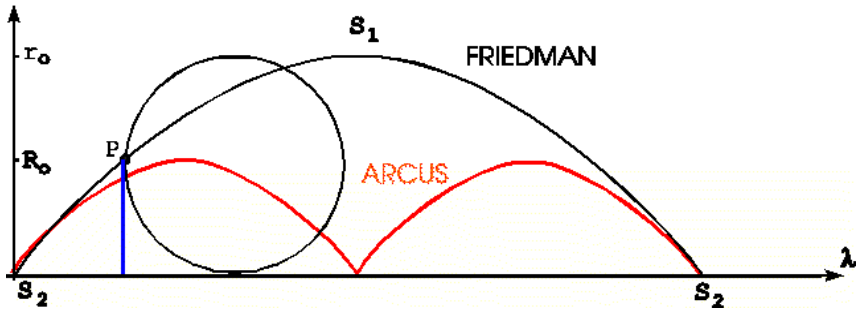
(From TBA I, p. 351)

A bubble as a sphere vibrating, you can express by a rotating unit circle. This is the reason that I spoke of the wheels of the Creator moving His real substances in circled ways.

How do the primary waves couple with each other? I thought that they all bind with each other as positive and negative vectors. Gravitation and electrition have their own causality. The only material explanation of plus and minus vectors I found was this: While, on the one hand, the positively gravitational bubbles grow to a maximum, on the other hand, the other features of negatively gravity bubbles are just falling down to a minimum. Analogy you can find on electrition (electromagnetism), just with reverse causality.

Image 3: "illustration 5.2…

In the world to the left, there is the gravitational "attraction force" in blue color. Looking into the anti-world on the right side, it will be the same. Between both, the expression results of a "repulsion force". Consequently, it is a **leading together** in each of both worlds while between both **separation** is running." (From TBA V, p. 18) At electrition, all cohesions are reversed.

Image 4: Reverse Pulsation

World   Antiworld

The world's bubble just increases while the antiworld's bubble decreases and vice versa after reaching the amplitude or the minimum elongation. Valid for the same type of cosm.

Image 5: "Illustration: Ordinary Matter KM vibrates against Antimatter AM
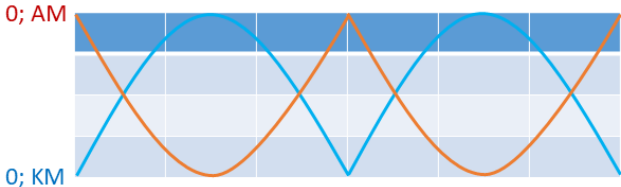
(From TBA V, p. 48)

The electrition (the electrostatic force and its magnetic effects born from a movement) always is located inside of a gravitational spherical wave (inside an ideal bubble). It is moving along its carrier. This leads to some answers of to my theory.

I wrote that these bubbles (in TBA I) are monopoles and dipoles at the same "time and distance". You can imagine it very simply. When you watch a bubble from a distance, you receive the shock (the impulse) from the one direction of the bubble's surface. So you think, the bubble has just one feature of charge, no matter if it is a gravitational or an electrical bubble. At every position outside the bubble, any observer A will watch the same behavior. He thinks of monopoles (g is positive gravitation, $+e_o$ is positive electric charge, etc.).

Image 5: Observation of one Pole of Gravity g-force

Observer location A   A

A
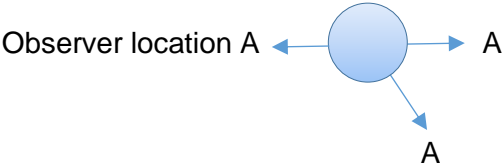
And now, you will be the observer B sitting in the middle of that bubble. Then you observe how the impulses are going into both directions from you. It is just as you would box with your hands. Just now, you find the dipole character of innumerable vectors into all thinkable directions of the bubble. This is the origin of the forces of gravity and electricity. You surely will recognize that nobody would be able to turn around the couplings by braking the maximum of light velocity in vacuum. Primary couplings will stay forever.

Image 6: Both Vectors Right and Left Orientation
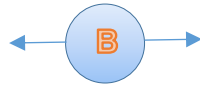
Observer B thinks that left vector is negative and the right one is positive. That is his definition. He has found a dipole turning around himself into arbitrary directions. The result is always the same.

This is the reason why gravitational bubbles couple themselves for eternity, just as electrical bubbles.

How do electric bubbles bind with the gravitational spheres? The electric bubble of positive coupling has the name "q-particle", $+e_o$. Reversed feature is called "q̄-particle" negatively charged with the integer elementary charge $-e_o$. This charge you never can part or made more. It has an amount of eternally constant $e_o = 1.6021894e\text{-}19$ Coulomb (and quarks are illusions!).

Image 7: How the First q-bubble pulsates and rotates (in yellow circle) in the First g-Bubble being a positively charged **Graviton g$^+$** where gravitational force equals electrical force

Electric Magneton μ_g

$\frac{1}{2}\lambda_o = \frac{1}{2}$ c τ_o = new start $\lambda_o/8$ $\lambda_o/4$ $3\lambda_o/8$
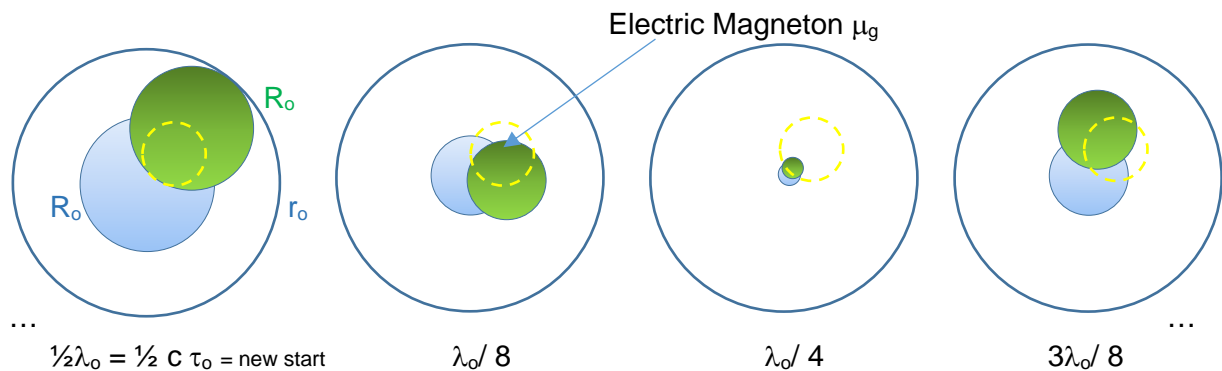
The external radius r_o is the absolute gravity horizon. Internal blue radius R_o is the amplitude of the internal mass M_o. Green circle is the electric amplitude R_o of the electric charge bubble that just has reached the highest location by reaching the gravitational amplitude R_o. The subtron then is the very first pendent to the electron of our world area. It is 1836 times larger than the graviton. It includes a charge bubble of negative charge rotating inside the radius there. The following illustration of the subtron is not to scale.

Image 8: **The Subtron s$^-$**

Electric Magneton μ_s
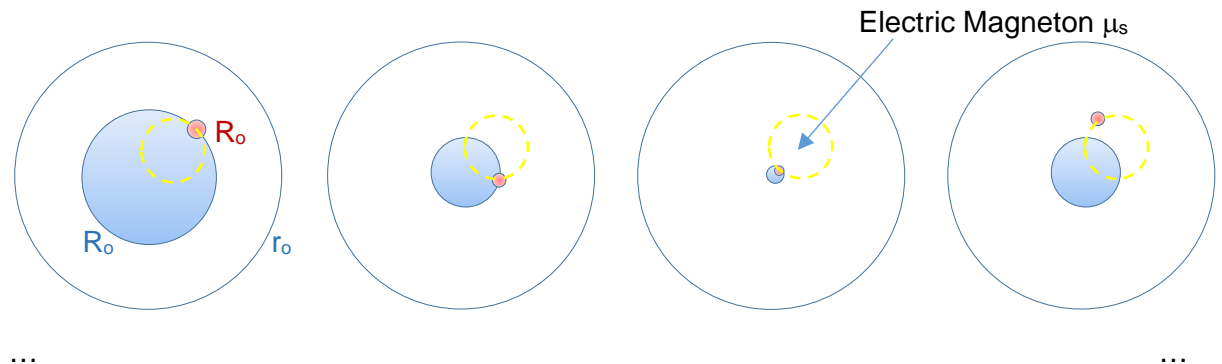
Mark! The blue sphere's pulsation generates the gravitational force. The green/ red sphere's pulsation (+/ -) generates the elementary and integer electrostatic force. Their rotation on the yellow broken line generates the electromagnetic momentum, the electric elementary magneton.

Graviton g and electrograviton q (what is the electrostatic charge) have the same frequency and therefore the same "mass" m. That mass effect of attraction equals the electrostatic force of plus and minus charges at the same distance. I calculated this equivalent of graviton-mass to m_{gq}= ±1.85926572e-9 kg (TBA I, p. 329, eq. 2.5,2). According to equation 2.7,1, p. 339 of TBA I, you can destabilize such a graviton cosm maximally to that point at which internal mass M equals the external mass m. Then both masses have the amount of M=m= 2.18e-8 kg. We find the factor f = 2.18e-8/ 1.85926572e-9 = 11.7. I think that is maximally possible to store external energy inside of a graviton minimalizing it for package in a protocosm.

Admittedly, the electrograviton q has no reason to change itself. God gave stability to it forever. Electrogravitons cannot be compressed by energy-storage inside. They always remain outsides. Their net of primary exchange wavequanta is an outside net. Just their relativity can change relative forces because of shifting their frequency. From the first beginning, their secondary exchange quanta are dependent on their cosm extension (photons locked inside).

How do they transmit their primary waves? It is also easy to recognize.

Image 9: Wave Transmission from Bubble to Vacuum Bubble to another Bubble simply pictured as a direct Coupling close to each other into each Directions

| … | Real | Vacuum | Vacuum | Real | … |
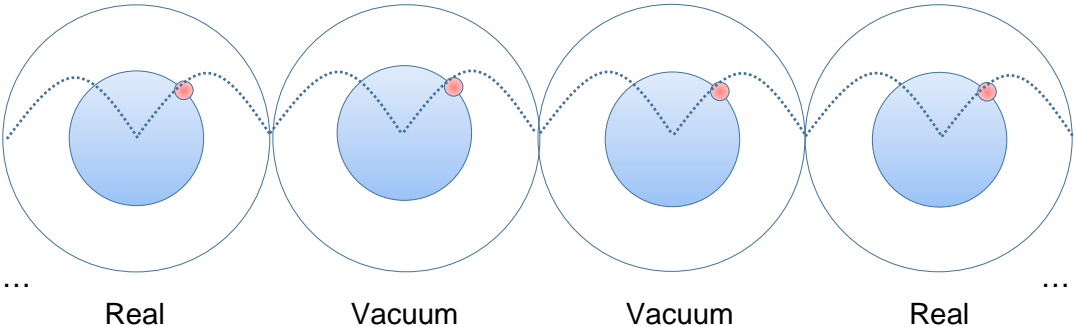
The complete amount of all the primordial substances of the Creator shifts itself by climbing up from the minimum elongation R=0 **+ constant** to the maximum elongation what is the amplitude R_o. There are innumerable radii of elongations. You would mathematically imagine three dimensions, so three radii, $R_{x, y, z}$, which are Cartesian coordinates. Additionally, you can imagine a polar coordinate where one radius is able to have any position of the surface of the sphere (the ideal bubble). This did Albert Einstein. From this, you get the dependence on the angle's evolution, a cosine function.

While the elongation is an expression of an oscillation, the amounts of mass M and energy E are changing in the rhythm of the oscillation's length and time. What do you think is this CONSTANT from the result of the integrated equations?

That is the primordial and real substance of the Creator's real world, RPS. Without this real base, there would not be a real material world as ours.

Citate from TBA I corrected, p. 366:

"$\qquad dR^2 = R_o^2 \sin^2\phi \, d\phi_2^2$ $\qquad\qquad\qquad\qquad\qquad$ (2.9,8)

$\dots \qquad R_I = + R_o \cos\phi \quad + const_{(r)}$ $\qquad\qquad\qquad\qquad$ (2.9,11)

$\qquad R_{II} = - R_o \cos\phi \quad - const_{(r)}$ $\qquad\qquad\qquad\qquad$ (2.9,12)

$\qquad R_{III} = + R_o \cos(-\phi) + const_{(r)}$ $\qquad\qquad\qquad\qquad$ (2.9,13)

$\qquad R_{IV} = - R_o \cos(-\phi) - const_{(r)}$ $\qquad\qquad\qquad\qquad$ (2.9,14)

$\qquad t_I = + t_o \cos\phi \quad + const_{(t)}$ $\qquad\qquad\qquad\qquad$ (2.9,15)

$\qquad t_{II} = - t_o \cos\phi \quad - const_{(t)}$ $\qquad\qquad\qquad\qquad$ (2.9,16)

$\qquad t_{III} = + t_o \cos(-\phi) + const_{(t)}$ $\qquad\qquad\qquad\qquad$ (2.9,17)

$\qquad t_{IV} = - t_o \cos(-\phi) - const_{(t)}$ $\qquad\qquad\qquad\qquad$ (2.9,18)"

Distances and times are results of the oscillations within their movements of the ideal and real primordial substance, RPS = "± constant".

The primary exchange wavequanta WQ generated by RPS of gravitons g and subtrons s and their anti-particles $\bar{g}$ and $\bar{s}$ build a space, forming protocosms PK and $\overline{PK}$ in order of quantization analogy of Niels Bohr but for quadrupoles.

Three features of that quantization decide about the next kind of hierarchy area of stable spaces

1st Proton
2nd Electron
3rd Electron neutrino and their anti-particles,

As well as of their unstable spaces like neutrons/ antineutrons, hyperons, antihyperons, further leptons and antileptons and from them protocosms.

From this matter of our hierarchy area, all these primary exchange wavequanta WQ of protons, antiprotons, electrons, positrons, electron neutrinos, electron antineutrinos, etc. form the great space above the complete matter – our universe. All these WQ remain captured in the universe forming its world radius r_o and its amplitude R_o.

This law is valid universally!

The primary exchange wavequanta come together by curvature of the space closing the spherical area forming a new bubble of new quantization order and new frequency.

This law is primarily valid for stable elementary cosms as g, s, p, e, ν_e and their antis and the universe itself from matter and antimatter.

It is temporarily valid for unstable combinations of them forming protocosms of innumerable features, which can open and decay.

Mark! The smaller the cosm the faster its frequency, its pulse, the smaller its amplitude, its little world-radius.

That's the principle that our world can be like it is. Let us discover the mechanism of building up of protocosms and greater bubbles from them.

Gravitons and subtrons couple to sub-hydrogen molecules. This could be a relatively "cold" gas inside the stable elementary particles of our world-hierarchy: protons, electrons and electron neutrinos. All the other features as neutrons, muons, muon neutrinos etc. are unstable. These sub-hydrogen-molecules are the rest of the great annihilation. We go one step before this. The Creator took an amount of sub-hydrogen and added a much greater amount of sub-hydrogen equal to the amount of sub-antihydrogen. This state was fused into the so-called protocosm. A protocosm consequently includes now a small amount of matter and a big amount of equal matter and antimatter, all accelerated by kinetic energy rotating on special tracks according to the laws of quantization of Niels Bohr extended for quadrupoles.

A special amount of protocosms builds up the proton or electron etc. Climbing up from the central start of rotations, the protocosms gradually evaporate. Their inside energy gets free as kinetic energy and annihilation's radiation. Everything is locked, closed inside of a stable cosm like elementary particles or the universe itself. After all the waves are turning around back to the center, they are heating themselves and burning down the resting matter to new protocosms. So the reversible thermodynamics is possible in every stable cosm/ particle.

Unstable particles open themselves by overcoming the closed world-radius because of much more kinetic energy of their top-protocosms while evaporation. After their own lifetime, the conservation generating new protocosms will restore them.

Every protocosm is an analogy of a capacity storage of electromagnetic and gravitomagnetic energy in the shape of photons and fallons. While increasing of internal M of the stable cosm by evaporating of protocosms up to the maximum M_o on the amplitude R_o, radiation of annihilations and and others are emitted into the radiation space of that cosm, which area now is enriched of radiation. Basic amount of radiation gets the amount of annihilation radiation. In the end, on the amplitude, basic amount of radiation comes down to burn back protocosms being stores of radiation energy by this process of condensation (evaporation and condensation are changing repeating). Consequently, I think at capacity and inductivity of an oscillating circuit. The rotating radiation inside the radiation cosm sphere above R_o is the inductivity. Protocosms are the capacity.

I bound these both in TBA I, page 336.

"Capacity: Isolated mass of universe in movements with (2.5,34)
                 added in both charge qualities concerning the amount,
                 gravitational function, gravitational charges are given.
                 That's **Mass.**

Inductance: Electromagnetism of universe in movements,
                 free electric charges compensate each other; alone
                 the wavequantum interactions are present, so the electric
                 magnetism of annihilated mass /antimass.
                 This is Heat (radiation).

The product LC is made by:

$$L \times C = |M| \times r_L \times a_L \times k_\tau^2 / (m_w \times r_C \times a_C) \,. \tag{2.5,71}"$$

Another fact is less important. You can read that electric center and gravity center of the electron would not really be different. Both lay close to each other. Well, in matter there are no points. Contrarily, in the origin of all, in the center of the ideal spherical wave, there is such a point-like behavior that we cannot measure. We only can work with bodies, with bubbles.

Does my model deviate from this opinion? Does it really do it? No, I think it does not. You cannot divide an elementary track that is related on exactly half a Planck Quantum h of half an oscillation period $\tau/2$ to h/2. Nobody is able to select parts of this primary quantum h. Consequently, each charge rotation field seems to be a static bubble of the charge. Because of many charged protocosms, a mixed result reflects the electric bubbles. This result seems to be close to the massive result.

Image 10: "Illustration 3.2.4;1: Cylinder model" (From TBA I, p. 471)
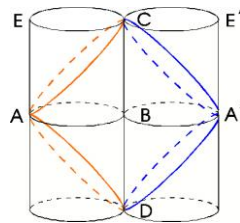
This is an illustration image of the rotation areas ideally amplitudically orientated inside a stable cosm. You look onto it from above, and watch both circles as these.
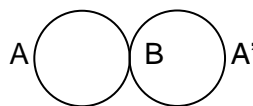
Then, you look from the left or right side on it and watch the circles instead of the ellipses.
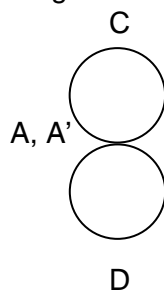
Probability of all the possible views of the electric bubbles is in the center of all, in B.

You will have recognized now, how the things of matter have their origins. Gravitational bubbles carry out the electric integer charge.

They build a hierarchical system. Gravitons and subtrons make sub-hydrogen g-s, symbol ^sH. Inside of protons, electrons and electron neutrinos, this is an analogon to our hydrogen H. Hydrogen compound $^sH_2$ is possible as H_2 here inside of our hierarchy area.

In the sub-world, there are no sub-neutrinos and consequently no sub-neutrons. Therefore, there is no world like ours. No further sub-chemical elements and compounds than $^sH_2$! This is only an intermediate state to separate us from the immediate contact to the Creation from the inside by this hierarchy.

You can imagine that there are clouds of sub-hydrogen, but no stars. Forming and reforming is running very fast. While every 1.9e-42 seconds (TBA I, p. 500), a new half a period is starting in stable gravitons/ antigravitons. It seems as if God would operate a ratchet. Time does not flow continuously. It is an episode of oscillations. Using the factor of 11.7, the ratchet minimum would reach to 1.6e-43 s, where is an equivalent of the temperature of 1.4e32 Kelvin (cf. TBA I, p. 500).

Just the creation of neutrinos leading to neutrons and to the weak interaction made it possible having chemical elements and compounds, and having our world as it is.

Do you think, the Creator was an accident? Go on thinking, if you want. Please, think about my following words:

To create this world, about 2e79 protons and 2e79 neutrons were necessary. They had to be copied from one single proton and one neutrino. Or, the accident has to make this amount for once and every equals each other. The same is to do with one neutron. 2e79 protons are the number like this:

20,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000.

What accident has ever exactly created just two same events? Have you ever heard about such an event? Can you imagine that an accident will have created each 2e79 of exactly the same buildings? If you have a proof for such accidents, you can leave my work.

Where does this number come from? A real mass of about 1e53 kg seems to build the complete universe. My theory's solution predicts 7.14e52 kg. Divided by proton-mass of 1.6726e-27 kg equals about 4.3e79. The same amount is in need by neutrons. We also need 2e79 electrons and 2e79 electron neutrinos. Attention! These amounts are the rests of annihilations. About one billion more particles and antiparticles were destroyed by annihilation. After all, there are some antiparticles resting as antineutrinos.

From the sub-matter of sub-hydrogen, a sub-world arose especially making protons, electrons and electron neutrinos. Their anti-particles follow from a world of anti-gravitons, anti-subtrons and their anti-sub-hydrogen.

Pulsations of the new spheres generate

  - Gravitation/ negative gravitation of protons, electrons, neutrinos and their antis,
  - Electromagnetic momenta of these particles except neutrinos.

Movements of these cosms generate secondary gravitomagnetic and electromagnetic waves (secondary wavequanta) and effects.

Laying an accident in the first beginning, physics makes it simply by dots or points. They don't have to explain their assumption of accidents. Every point is a point. Zero is always zero. Nobody is in need to explain such an accident of arising dots. Is this a good explanation that you are zero?

Conclusion: If the universe is a construction of an extremely large number of elementary and spherical particles, which absolutely have the same properties – it only can be a Creation, a work of art of an ideal kind.

If you can produce and collect some antimatter, you can make a spaceship lighter, as light that it can fly close to light velocity in vacuum. You can maneuver it as nobody has seen it before except of the observers of UFOs.

Why have I built my theory IOT and its solutions on base of antigravitation?

It is my dream from youth, the repulsion of stable elementary particles to stable elementary antiparticles. I have some reasons to do it.

Present science is not able to prove that there is antigravitation between matter and antimatter in our world. Why cannot do they? I state: Mass and antimass are not pure bodies of some substance as they think, or puzzled by "quarks". They are made from oscillators by elementary particles. All sub-particles are oscillators (resonators, emitters, receivers), too.

Consequently, you can prove that frequencies of particle and antiparticle are the same. You can measure that ratio of electron and antiproton mass is the same as ratio of electron and proton mass. It is the ratio of the frequency! You can have tests by lasers never proving an antimass. If you additionally start proofs using unstable particles, you never can find antimatter directly, because it is a mix up inside of these particles of matter and antimatter subs!

So present scientists think that antimatter only has changed the electric charge, not more. But I ask them to think at neutrons-antineutrons, neutrinos-antineutrinos! What has changed there if not the mass?

You could imagine that these neutral elementary particles had some properties of reverse features.

The neutron has an elementary, electromagnetic moment of -1.913 of Bohr's magneton relatively to the proton in the nucleus of an atom. But you can turn around a free neutron, so the pre-sign of the magneton is equal. The same, you can do with the antineutron. What is the difference between both? Nothing? They are antis! Meeting themselves under conditions of attraction of the momenta, they annihilate. Do they only annihilate their electromagnets? And where are the masses? These are questions those answers lead to the antimass of antineutrons. Scientists believe in "quarks", which aren't proved, neither the third charge nor their real free existence. So they think the neutron annihilates within its "quarks" and their electric third charges. And "quarks" were dots again?

What's to do at electrons and neutrinos? Science think, they are not made from sub-particles. They mean that electrons would be points, and neutrinos would be too. These thinkers distinguish neutrinos by their rotation sense into matter and antimatter after emission.

But I say that points cannot rotate. A point is a dot of dimension of zero. How does zero rotate, anyway? Such an assumption of dot-rotation is pure nonsense!

In my IOT, the electron is 1836 times larger in radius than the proton. Explicitly, it has the potency of a structure made of sub-cosms. These are my protocosms generating cosms as well as microcosms like neutrinos etc. The electron neutrino is 206,000 times larger than the

electron! Naturally, it has a substructure by many protocosms. Electric charges of these protocosms and their magnetic momenta are in compensation. Externally, there is only gravitation force, very small by long-time oscillation (206,000 times slower than the electron oscillates).

Only a tiny resting mass of about less than $2eV/c^2$ was proved by science' measurements and predicted by me. If mass would not add an antimass, what for a property difference would they have then? My theory consequently generates neutrinos of pure gravitational property. They don't interact electromagnetically. Just they take part in reactions of weak force while changing stable elementary particles into unstable and vice versa over reactions of their sub-protocosms. I showed in my "TBA III" for particles that neutrinos and antineutrinos have their task especially.

An annihilation is a special compensation of swinging. Try to compensate two wavequanta of photons! You must equal their momentum mass (so their amplitude) while you shift their phase exactly to 180° (reversed). I recognize there must be a contradiction. Without some, no compensation is running. Actually, no compensation of matter and antimatter is possible. The only contradiction I can think is mass and antimass.

Physicists couldn't realize experiments of success proving that. The time of acceleration of antimatter by matter surely is too short that antimatter starts to move falling up from Earth.

You really have to weigh neutral and stable antimatter giving more time. How to do that? That's not my problem. I hope, sometimes you may succeed.

<u>Summary</u>

There is no chance to watch more than this what I showed you here explaining the origin of all briefly.

Thank you very much for your attention!

Heinz-Joachim Ackermann
Arcus R, July 2021, Germany

https://www.arcusuniverse.com
https://www.no-quarks.com