

## **Brief list/statement of my opinions to the astrophysics and cosmology**

**HTQU** – its primary intention **is merely** a transcription of all interactions of present nuclear physics to the two - character language, thus →

**= =** If there is a task set of this type : Generate – write- re-write „enrollment language" of all contemporary scientific physics ,astrophysics asnd nuclear physics in a transformation way to the other language, into other character language. Such the same task I took hold on in 1981. I have performed transcription of whole physics, of all its interactive equations, as they were recorded, as they were written during history of development of physical science. I re-wrote all tables of Standard model of elementary particles namely with style of „ transformation" by the help of newly subjective two - character formulas for all elementary particles. I have created well - arranged tables. ( every lepton- anti-lepton is in two - character formula. Every quark- anti - quark is in two - character formula ; by combinations of quarks I've got in two - character form all baryons - ( consequently their resonance according to spin ), further whole table of mesons and in the end intermediary particles, those also in two - character language.

So that : I have performed transcriptions ( substitutions ) of all nuclear interactions, guided in today's enrolment techniques , to the two - character language, to the two - character records. – this creation has turned into primary objective filling of my work wich is marked as HTQU. ( Hypothesis of the Two-Quantity Universe ).

<http://www.hypothesis-of-universe.com/index.php?nav=e>

That transformation wasn't purposeless , so, as though I would just from pleasure rewrote Mayan hieroglyphs - to the Chinese hieroglyphs. Sense, intention and aim of this transformation is original idea, as though Universe itself at its origin as well as within its next genesis, all matter built- realized- performed by the process of multi-curving of spatio - temporal dimensions. In short : Matter is not primary objective physical quantity, but it is created- made from spatio - temporal dimensions by style of „ compacting" of dimensions to the wave-parcels, geons- glomerules.

### **In conjunction with HTQU then**

I think in addition in the area of astrophysics and cosmology ( however without tutorials with specialists, they just but disregard me ) and I suggest : →

**= =**..let's say that I **promote** time space as 3+3 dimensional reality. Then that, as though even time has got 3 dimensions, it is not a scalar. [http://www.hypothesis-of-universe.com/docs/g/g\\_081.pdf](http://www.hypothesis-of-universe.com/docs/g/g_081.pdf) I am not a first person who already thinks the same. See more details about it on web- pages and in discussions.

= = ..Lorentz's transformation isn't „ transformation" , but in its essence represents slew of systems

= = ..underlying **reason/principle for emergence of mass** in this Universe after Big-Bang is „ curving" of net composed of 3+3 time space dimension. Every „ crooked state" of spatio - temporal dimensions represents already some kind of mass state. ( particles or fields ).

= = to the opinion of physicists, that there in vacuum something „ boils", as though vacuum is „ scummy" I'm added opinion, that there in it 3+3 dimensions of time space „ boil, froth ", and as though ' therefore ' vacuum itself can be the mass state, perhaps that dark energy ( density is the same, but this dark energy in universe increases). In such vacuum like this virtual pairs of particles and anti-particles jump up that's just it, that the vacuum „ boils" and this „ boiling" is actually curving, multi-curving of all 3+3 spatio - temporal dimensions. Namely conformable with „vacuum quantization ".

= = Gravity wave is – how physicists themselves say – wave of very time space alias wave (crooked state) of 3+1 spatio-temporal dimensions . Then indeed the gravity wave has to be „ state of mass" and has to have nonzero weight. I have asked physicists, where matter disappeared ( decreasing after sum ) after two black holes fusion . They did not answer that question.

= = I criticize so called *Higgs' mechanism* , i. e. mass „ donation" upon Universe by means of some „Higgs' boson" . [http://www.hypothesis-of-universe.com/docs/g/g\\_072.pdf](http://www.hypothesis-of-universe.com/docs/g/g_072.pdf)

= = I assert, that time does not run to us, but contrary to it, we run to it, then we- matter- mankind „wander, slip" through the Universe „ **along** time dimension" and cut on it intervals that we then perceive as passage of time. Spatio - temporal web 3+3D ( Euclidean flat, infinite time space as a „ screen" ) „stands still" and „ crooked states of time space dimensions" swim in it, (one crooked state is „ nested" in any other crooked state of space-time), then all mass objects are „ nesting" = „ swimming" in crooked states of time space dimensions. **Objects are moving** ( evenly or unevenly ) **along crooked dimensions and then also „along time"**.

= = Though I don't assert, that the Lorent's transformation is amiss, so despite of that I think, that the dilatation of time „ on flying objects" does not exist, that even there time passes with its „ original rate", as though dilatation of time on that flying object we **only observe** in our primary elected system of observer, we are „ observing it" by, that the dilatation we evaluate from information, which reached us from the object , then we evaluate radiation that has a red shift. Red shift is a consequence of slewing systems of tested body and that of Observer.

= = I'm coming with novelty: with principle of the „ hot potato", then with **principle of variation of symmetry with asymmetry**. PVSWA. [http://www.hypothesis-of-universe.com/docs/g/g\\_073.pdf](http://www.hypothesis-of-universe.com/docs/g/g_073.pdf) .And with it it is related distortion (of all) equations of conservation. To this thought, (with explication somewhere else) , I'm adding opinion, that it isn't necessary, and perhaps nor desirable, to search equation, that would join GTR with QM, that the both of them can be = co-exist, „ side by side" just with reference to principle of variation of symmetry with asymmetry. On macro-scales time space is smooth- continuous like ; on micro-scales it is „ scummy" that is why „ the cut through such foam" looks as though it would be quantized, thus : zeros and units, condensations and decompressions, points and vacancies, „ nothing" and „ something", „a cat alive and dead" ( electron flowing or photons flowing is like this : photon - gap- photon- gap- photon- gap ...and so on ).

== I'm taking a view, that in the galaxy **no matter is missing**. Ascertained movement of galactic shoulders „like a gramophone record has " is though well observed, but badly evaluated. Therefore it seems to physicists, that there is less matter in galaxy. To evaluate stars movement in galactic shoulders correctly, it is necessary to input into the Newton's law how physicists do, that They put into „ formula  $F = \Sigma M \cdot m / r_i^2$  " as a distance between two bodies „ r" „ straight abscissa, but instead they should put „ r" „ abscissa in arch". This is because for observer in large distance time space is already indispensable incurvated in observed galaxy. Universe itself puts to the Newton abscissa in arch = gravitational force is getting around along curved geodetical trace but mankind still introduces to the Newtonian physics line-like abscissa, uncrooked. Newton is valid only in the plane, Euclidean system.

== I think, that the **Heisenberg's „ uncertainty principle" is live, uncompleted**, I think it is understood only partially, I think, that it should be supplemented by factor  $\Delta t/t$ . Explication „ why" I have circumscribed somewhere else. [http://www.hypothesis-of-universe.com/docs/g/g\\_078.pdf](http://www.hypothesis-of-universe.com/docs/g/g_078.pdf). Heisenberg is related to that scummy time space on the Planck's scales., when co-ordinate system will wind in those torsions of dimensions in such a way, having „ half-face" position. Then there must be time dimension on its perpendicular position and that's why I don't observe interval and do - on the contrary.

== In the frame of HTQU complex then I suggest idea that the Universe didn't begin to exist in the Big-Bang but it was already in existence even before Big-Bang namely as a state 3+3D of the space-time, that has been-and still is infinite, flat, Euclidean and hence without mass, fieldless, without flow and passage of time ( though time- dimensions of time are there ! ) and without space expansion. Then in the sense of „ variation in symmetry with asymmetry" there change of state occurred. Change of „the state before Bang" which was totally straight- flat and plane ( no „ explosion of the world" ) into state „after Bang" which was totally crooked 3+3D space-time „by leap-like process" and time space leaped – multileaped itself to the „ foam-like one" titled as vacuum plasma ...; Before-Bang state of time space was and is infinite and forever 3+3D flat- unflared state and in it then suddenly extremely crooked locality of the time space did arise. Foam .., so that mentioned vacuum plasma represents in its essence nothing else but just only super-crooked time space itself of the final size and that one is swimming in the „screen" of 3+3D all the time. And then the Universe-locality ( in succession of variation in sym. with asym. ) „doesn't expand", but „unpacks ". [http://www.hypothesis-of-universe.com/docs/aa/aa\\_075.pdf](http://www.hypothesis-of-universe.com/docs/aa/aa_075.pdf). **Time space unpacks itself on the global size** and states of curvatures ( which we now observe ) , it unpacks itself on macroscales to the more and more flat and plane state, and..and **concurrently on position of Planck's scales it packs up** or stays in form of „ boiling foam" of time space dimensions analogous to the situation after the Big-Bang in plasma. I am not only person who thinks about it so. : Astrophysicist Christof Wetterich from Heidelberg suggests, as though behind observed red shift does t lie expansion of the Universe, but gradual increasing of particles mass as a consequence of the scalar cosmological field activity. (?)\_His theory cannot be indeed evidently tested.

I in addition to it I think, whereas, we- people- observer now are situated somewhere in the middle of those sizes of the space-time scales, that we observe not only to the macro - universe those u n w r a p p i n g of the crooked 3+3 dimensions into the more and more flat ones, and ...and as though not only we observe into the microworld those „ wrapping - pelletizing- of " dimensions on the Planck's scales (we are going to the Planck's scales ), but this unsquashing and pelletizing of the

times space dimensions namely rules everywhere and all the time, in every space-time place hereof Universe. ( and also in plasmatic foam of curvatures after the Bang came to initiation even bigger „ pelletizing" of dimensions just to the of those wave-parcels and those ones form the atoms and then the stars and those to the galaxies and alongside it „ the rest foam" unpacks to the intergalactic spaces ).

What does it mean?: Universe isn't the ball which unpacks itself from either singular point, but They are billions of them ..!!!..billions of singularities, one beside another one, which unpack and pellet concurrently, everywhere, in every place of universe we „see" ( should we see ) unsquashing/rolling down of time space dimensions ...or all around us in every point ( there is singularity ), they happen changes in time space curvatures, in boiling vacuum there even more and more dimensions curve, in macro - global universe space-time- dimension are straightening.

**= =** Genesis of the mass structures complexing in the Univers is happening as a „ pyramidal way" namely in the sense of philosophy : „ **quality times quantity is constant**" ... [http://www.hypothesis of-universe.com/docs/aa/aa\\_037.pdf](http://www.hypothesis of-universe.com/docs/aa/aa_037.pdf)

**= =** I declare ( from my unmathematical brain ), as though linearization of gravitation is more or less a cheat, it is mathematical smashing of „ principle and sense" hereof Universe ; linearization of gravitation goes into a state „ before Bang".

**= =** I have had once endeavours to gamble above issue and proportion of gravitational constant G. I've never drew close it to the happy conclusion. [http://www.hypothesis of-universe.com/docs/f/f\\_011.pdf](http://www.hypothesis of-universe.com/docs/f/f_011.pdf) ; [http://www.hypothesis of-universe.com/docs/f/f\\_013.pdf](http://www.hypothesis of-universe.com/docs/f/f_013.pdf)

Quite doubtless I don't deny self - critically that my opinions are only correct ..., certainly they are not, rather they are more or less expressed for the purpose to provoke clever people their thinking and considerations.

**During 37 years**

JN, 31.08.2017

In Czech version this you can find here? [http://www.hypothesis-of-universe.com/docs/aa/aa\\_063.pdf](http://www.hypothesis-of-universe.com/docs/aa/aa_063.pdf)