

The origin of the universe - my idea

(in variations as it was created in 4 years. Older submissions are elsewhere)

today 08/05/2024

My opinion 20 years old: Big-bang = *jump change of state* from pre-big-bang to big-bang, and finally to post-big-bang, which is how I describe and explain the creation of "this" universe of ours with matter from the state The universe before the Bang, when there was a state of space-time without matter..., was infinite, flat, non-curved, without the flow of time and without the expansion of space (infinity does not expand). After the big-bang, zero curvature of 3+3 dimensions changes to infinite curvature of dimensions. However, this sharply decreases to an "acceptable" curvature in the first two or three milliseconds. Environment is "boiling vacuum, foam of dimensions" = plasma. The *curvature* of dimensions is then the PRINCIPLE of the construction of matter and physical fields and...and even together with the PRINCIPLE of alternating symmetries with asymmetries it is a "dynamically changing universe" in which time is already running, (three time dimensions are unfolding), spatial dimensions are unfolding, and even new laws must be created, which we can arrange in the sequence of the list of laws, rules and "mandatory systems". In other words: the infinite flat 3+3D space-time (before the bog-bang = before the flick), without matter, without the passage of time, without expansion, without laws, will "collapse" with the "big-bang" in the way of "warping dimensions" to the *"final* location" and from this state a new genesis of the Universe already occurs with matter, with the flow-flow of time, with the unfolding of space, interactions of the elements of matter, etc. **Attention, I correct myself:** The final location of crooked dimensions (our Universe... what it started with the pseudo-singularity), then after its creation it still floats in that original flat infinite 3+3D space-time, the original Universe did not die, did not disappear. The pre-big-bang universe, i.e. that state of flat 3+3D space-time, is still everywhere, it is "between us" and there is >a basic grid, warp, grid, network of non-curved 3+3 dimensions in which, in which localities with crooked dimensions. (i.e. elementary particles, interactions, up to complex DNA, but also galaxies, stars, and all 4 fields.) The universe not only expands, unwraps into the macrocosm, but is simultaneously packed into "cocoon", i.e. packages of dimensions that then present elementary particles, and then the interactions and construction of complex structures of matter. So both at the same time: both collapsing dimensions and expanding dimensions.).

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"Our universe", after the big bang, is a "local place" in Euclidean flat infinite 3+3D spacetime, (ie the state before the big bang, flat, infinite, no matter, no chow flow, no expansion, how else when infinite.). It's the final location that begins—it occurs at the big bang, which is not an explosion, but a change from the previous state to the next, to the plasma state, and that's an ultra-high curvature of 3+3 dimensions of two quantities. It's a boiling vacuum, it's a foam dimensions, i.e. an extremely curved environment; that is, it is a "finite" Universe in an "infinite" flat space-time that "floats" in it. The basic Euclidean network - a grid, 3+3

uncurved dimensions, in the state before the big bang, it is still around us, it exists not only before the big bang, but also after it, it is around us and we and the whole complex universe with matter and galaxies and black holes and gravitational fields, (which are warped dimensions), we "float" in that flat basic 3+3D network of space-time. The beautiful thing is that even a mathematician will wonder if he does not have to explore "how" big is the singularity = "locality-our universe" and will have to recognize the possibility of proposing the reality that in an infinite 3+3D non-curved space-time there are finite localities, arbitrarily large, that is near-infinite and near-zero... Not even mathematicians can determine how large a "unit" is - a unit interval of length or time in an infinite grid grid. That place is "our universe", just one. No nonsense like "multiverses. And the Big Bang was not the creation of the universe "out of thin air" (as string theorists claim), but it was a "jump = jump change of state" from the previous to the next, a "jump" from a completely flat spacetime to a completely curved spacetime, with extremely curved dimensions that have been unfolding for 13.8 billion years!!!!,

A) They don't expand, but unfold into a global curvature for the "real structures" of a distant Observer (The sky full of galaxies and everything we see "floats" the differently curved dimensions of each place we see).

B) And simultaneously with the global unpacking, "local locations" are packed (in the microstructure = in the microworld, and packages are created = elementary particles of matter) They are packed into matter !!!! They are packed (those dimensions) after the big bang into balls = elementary particles and these are further packed into conglomerates, i.e. into atoms, molecules, into chemical-biological compounds. Etc, etc...etc, as I have described elsewhere over the years. According to physicists from Di Valentino's team, this anomaly could be explained if the expanding universe had a spherical shape. Which is even the same if the expansion is explained by the "unfolding" of this "initial" curvature of the space-time dimension in the Bang = in a state of arrest in which time begins to pass and expand = the space and time dimensions begin to unfold; this state of space-time of ultra-high curvature of the dimensions of time and length, is a plasma, is a state of foam. In this foam "vacuum boils", on Planck scales it acquires by deformation packing mini-localities = "frozen states" - wave spheres-wave packets that become elementary particles, our human concept, packets that manifest themselves with properties such as mass, spin, charge, etc., etc. (Each particle has a different number of packed dimensions with a different curvature of these; this determines their properties). Then such an initial state of the Universe, the space-time after the Big Bang, unfolds, expands "out" "from the singularity" and still, concurrently, collapses, "into itself", into matter. This means that there is a clustering, "combining" of matter elements, such as quarks, leptons, bosons, etc. into even more complex units, into baryons, resonances, then into atoms, then into molecules, into compounds - this is the "packing" of curved dimensions into packages, into more complex conglomerates, and this happens not only after the big bang, but that packaging continues to this day; proteins, DNA... We still have the Planck vacuum around us, "yesterday and today", continuously throughout the history of this ! The universe..., all around us in the boiling vacuum of planetary and sub-planetary scales, the same processes are taking place as they were a million years ago, as they were a billion years ago and 14.24 billion years ago right after the Big Bang. This entire "local universe" with curved dimensions is nested in a 3+3D grid, a grid of flat Euclidean dimensions. The universe "floats" in an infinite flat space-time. And at the same time, unpacking...and packaging is also taking place from Třesk.. What type of curve do we have

for global unpacking, I don't know, probably a parabola, I already thought that 35 years ago...; This text was translated twice: from Czech to English and back again to Czech; and then once more into English..., so it's a "warped" translation, but perhaps the most understandable.

Space-time at the mini level of size scales, at the Planck scales, is foamy, grainy, it is a "boiling" environment of curved dimensions—dimensions, it is a plasma. **Each curvature=dimensional curvature** of two quantities **a) "Length"** (has three dimensions) and **b) "Time"** (also has three dimensions), **is a state of matter**, every curvature is mass-forming. Elementary particles are born in that foam 3+3 D structure. The environment is indeed chaotic = boiling plasma, but the elements, "packages of dimensions", take topological shape by "twisting" dimensions-by-dimensions, (wrapping) by packing, which will always be unique to each elementary particle. And not only that. Particles produced in this way will be able to be grouped into groups with the same properties (charge, spin, baryon number, esospin, color, etc. Even mass is a property), as you know from electrodynamics, from Murray Gell Mann graphics. Check it out here: <http://www.hypothesis-of-universe.com/index.php?nav=ea> . Yes, there is wave-particle dualism. Why? Because all four forces (gravity, electromagnetism, strong and weak) "live" in "fields", and physical fields are again warped states of originally completely flat space-time. In the basic yarn, grid, 3+3D network, these elementary particles (+ field) "float". And not just particles. Then their interconnected conglomerates: atoms, molecules, compounds, chemistry, biology, even DNA. **All of this is structured and built from the dimensions of spacetime itself.** So it "floats" in the basic 3+3D grid. And now my next idea, a vision: The principle of alternating symmetries with asymmetries. There is the basis of the "wave-particle" dualism: the curvature of the foam, the curvature of the dimensions so rapidly change-transforms that neither the Planck length nor the Planck time are "enough" for them. Both are shorter intervals than the real state of *"finished elementary particles, i.e. atoms, etc., higher conglomerates of mass structures"*. Yes, "wave" and "corpuscule", both belong "to each other" as a real fact of changing dimensions, curvature dimensions that turn damn fast into "wave and ball" and ... and what's important is that both, wave-particles, are from space-time dimensions, both are "of the same dough". And according to the principle of alternating symmetries with asymmetries, "material states change and change... and change". Thank you for your attention. And please check out my HDV work. I offer a new perspective on the construction of matter after the big bang.

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Finally, there is an explanation that touched on my hypothesis (it's not a theory yet, but one day it will be) about the fact that particles of matter are built (by nature, the universe) directly, clearly and comprehensibly only from the very dimensions of space-time. Space-time at the mini level of size scales, at Planck scales, is foamy, grainy, it is a "boiling" environment of curved dimensions-dimensions, it is plasma. Every curvature=distortion of the dimensions of two quantities **a**) "Length" (has three dimensions) and **b**) "Time" (also has three dimensions), is a state of matter, every curvature is mass-forming. Elementary particles are born in that foam 3+3 D structure. The environment is indeed chaotic = boiling plasma, but the elements, "packages of dimensions", take topological shape by "twisting" dimensions-by-dimensions, (wrapping) by packing, which will always be unique to each elementary particle. And not only that. Particles produced in this way will be able to be grouped into groups with the same properties (charge, spin, baryon number, esospin, color, etc. Even mass is a property) that you know from electrodynamics, from Murray Gell Mann graphics. Check it out here: <http://www.hypothesis-of-universe.com/index.php?nav=ea> . Yes, there is wave-particle dualism. Why? Because all four forces (gravity, electromagnetism, strong and weak) "live" in "fields", and physical fields are again warped states of originally completely flat space-time. In the basic warp, grid, 3+3D network, these elementary particles (+ field) "float". And not just particles. Then their interconnected conglomerates: atoms, molecules, compounds, chemistry, biology, even DNA. All of this is structured and built from the dimensions of space-time itself. So it "floats" in the basic 3+3D grid. And now my next idea, a vision: The principle of alternating symmetries with asymmetries. There is the basis of the "wave-particle" dualism: the curvature of the foam, the curvature of the dimensions so rapidly change-transforms that neither the Planck length nor the Planck time are "enough" for them. Both are shorter intervals than the real state of "finished elementary particles, ie atoms, etc., higher conglomerates of matter structures". Yes, "wave" and "corpuscule", both belong "to each other" as a real fact of changing dimensions, curvature of dimensions that turn into "wave and ball" damn fast and ... and what is important that both, wave -particles, are from space-time dimensions, both are "from the same dough". And according to the principle of alternating symmetries with asymmetries, "material states change and change... and change". Thank you for your attention. And please check out my HDV work. I offer a new perspective on the construction of matter after the big bang.

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Yes, we observe the physical world around us, a being that exhibits 3+1 dimensions - the physical world. I propose 3+3 physical dimensions and all extra dimensions n+m will be "mathematical" dimensions, with the help of which matter, elementary particles, atoms, molecules, compounds, chemistry, biology, even DNA can be built. Why not? Here is a sample <http://www.hypothesis-of-universe.com/index.php?nav=ea> ; http://www.hypothesis-of-universe.com/docs/eb/eb_002.pdf

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We don't run out of time, no. Time is running out, but! ! we-objects (material and immaterial, e.g. "cursors") run "through time"; we run along the dimension of time, thereby cutting intervals on that dimension of time; and thus, this is how time "runs". Moving the object along the (temporal) dimension, that is the presentation of the flow of time. Time as a quantity "stands" = does not run. If the cursor runs "along the dimension", we perceive this movement as the flow of time. The flow-flow of time can also be perceived and physically conceived in the following way: we "choose" a unit interval on the time dimension. Not only that, but we will describe - we will cover the whole "infinite", time dimension, with those unit intervals. Now we will "warp" the dimensions of time, either expand or collapse...; The projection of the expansion of the dimension (dimensions) onto the projection, i.e. the change in the size of the interval  $t_1 + \Delta t_1$  can already be considered and interpreted as "the flow of time".  
[http://www.hypothesis-of-universe.com/docs/eng/eng\\_101.pdf](http://www.hypothesis-of-universe.com/docs/eng/eng_101.pdf) ; [http://www.hypothesis-of-universe.com/docs/eng/eng\\_117.pdf](http://www.hypothesis-of-universe.com/docs/eng/eng_117.pdf) The new ideas of laymen cannot be destroyed and defeated by not reading them. And by ignoring them. (Just as science has been ignoring my HDV idea for 22 years).

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Inside the rocket, the commander "in his own system" has a watch - cesium, which ticks at the same rate as on Earth, but when comparing the watch of the commander of the rocket with the watch on the ground by the signal = i.e. sent information, the systems rotated according to STR (Lorentz transformation) are compared . And so the terrestrial observer observes different intervals of the passage of time on the muon = in the rocket than he does on earth... with the strange difference that both observers with their systems are close to each other, whereas the quasar, >behind the last galaxy<, which has more \rightarrow wow, it has such a rotated system (almost by 900) http://www.hypothesis-of-universe.com/docs/c/c_009.jpg that it is almost at the limit of observability...that is why we say that time on a quasar almost does not run , we observe that it is dilated, but we only observe that, otherwise, on the quasar itself, the Quasars do not observe any dilation on themselves. I proposed instead of a big-bang an "inflationary jump" in the sense of an "instant" change of state from the original flat Euclidean smooth 3+3D space-time $k=0$, to an extremely curved 3+3D non-zero locality - our future Universe $k=\infty$...while the ""event "" state changes are not related to time as such..., they occur "anytime" and anywhere. And the new location of "curved dimensions" $k=\infty$ occurred "in the previous" infinite flat 3+3D and the location is arbitrarily large, because in the infinite state of space-time, units cannot be determined. And it must be added right away that Time is just an artifact = quantity "the name of a static state" where the flow of time occurs only when it begins to move "along time dimensions" = to move the observed object-subject, it cuts off intervals. Time does not run for us, but we run "after" time, along the time dimension, and as we cut off those time intervals, we perceive it as the passage of time. Before the Bang, "time did not run" because there was "nothing" to run along the time dimension. After the Bang, there was a "boiling vacuum" and objects from the dimensions were packaged in it and they "started" to move along the time dimension...etc. as HDV says. With any choice of units, $c = 1/1$. Converted to "our choices" this is $c = 2.9979 \cdot 10^8 / 10^0$. But the c-speed is "today" in today's "stop-state" from Bang. Is $c = 1/1$ the same at any time since Třesk=Bang? Apparently so. ((Here in the paragraph I have a text correction from 3/10/2022)) Today's global universe is expanding = unwrapping. He began his unwrapping at

near light speed, with a more crooked look to the past. Thus, looking at the past, the unwrapping was "faster", looking into the future it is still slower, because the curvature is already almost unwrapped. I don't believe in any accelerated expansion of space-time. If the light from a quasar comes to us (from the observability horizon), then it carries the information rotated (almost by 900) because it flew "at a time" when the 3+3D number was very curved. http://www.hypothesis-of-universe.com/docs/c/c_239.jpg In order for entropy, i.e. disorder, to grow, the previous state had to be more ordered, i.e. more complex..., but since the Big Bang, that complexity has also been getting bigger and bigger (first only quarks and leptons, then atoms, then molecules, etc.)but how he showed here: it starts with a plasma of ""first matter"" 100%, then 74% of hydrogen is "produced" (the amount will remain constant), then 24% of helium is "produced" (and this amount will remain constant), then about 0.6% of carbon is "produced", then about 0.004% of oxygen...etc. ; "the amount of each higher complexity of matter decreases in a geometric series until we get to proteins, for example, to $10^{-45}\%$, and DNA to $10^{-105}\%$, I'm making up the numbers, which is exactly and only on Earth and nowhere else in the Universe. → pyramid of complexity → quality times quantity = 1x1. http://www.hypothesis-of-universe.com/docs/aa/aa_037.pdf . http://www.hypothesis-of-universe.com/docs/eng/eng_009.pdf ; This means that each higher complexity = orderliness occurs with a "leap" in an ever smaller volume of the Universe, and this entity then "disintegrates" entropically, i.e. local disorder grows. This idea-reflection needs to be refined ((..I will leave something from the Theory of Everything to the physics student)).