

This is a translation using google translator: Vojtěch Ullmann: Gravity, Black Holes and the Physics of Spacetime in 1980

<https://astronuklfyzika.cz/GravitCerneDiry.htm>

It was one of the first textbooks I literally studied. From his book, I began to understand the states and spells of space-time, and I came up with the idea that just by curving the dimensions of space-time 3 + 3 into balls-wave packages, that in this way the Universe itself realizes-produces "something" (elementary matter particles) that will have **the nature** of matter + to that "something" that we will classify **as properties** of matter (ball, packed states of dimensions), which "non-curved" flat space-time 3 + 3D does not have, such as mass, charge, spin, symmetry, etc. Ullmann says: if we take supermicroscope and looked into the depths of the microworld, so we would still see a flat space-time up to a proton size of  $10^{15}$  m, flat space up to about  $10^{20}$  m, ie a scale of neutron and quark sizes, and space-time would still be smooth, only with a small curvature "from gravity" (((inside the proton or electron it is different, of course))) and... and now imagine that we increase the sea level by another 20 orders of magnitude! !, this is literally insanely unimaginable magnification and only (!) on these scales we would see an increase in the curvature fluctuations of the longitudinal dimension, only on this scale \*  $10^{-40}$  m \* we would see a bubbling quantum foam from the dimensions of space-time, space itself boils there. (\*\*\*, I'll explain another new one later). ! ! Even then it shone in my head that such crooked dimensions are inside elementary particles, that the geons, those "(after) curvature" dimensions, are a style of building "something" which then has the behavior of matter, it is matter itself. Matter is a packed-packed state of space-time dimensions. What's more, when you realize that for the position **of all** the matter you see around us (atoms, molecules, compounds, proteins, DNA ...) all you have to do is! ! three pieces-geons (ie U quarks, D quarks and electrons), then it's awesome how simple and insanely realistic... .and realistic for further joining the three pieces into atoms, molecules, conglomerates that we see in chemical and biological textbooks. It was Ullmann who helped me in 1981-3 to these ideas of a "two-quantity universe" about the simplicity of the construction of matter only and only by distorting the dimensions of that 3 + 3 space-time. No God, or "origin from nothing, etc." - - After 39 years, I have another knowledge, a new astonishment: that no one has realized this in 40 years, the beauty and simplicity of the formation of matter by "packing" dimensions into balls... it's terribly logical, naturalistic, it's not "magic of God", it's not the emergence of "something out of nothing", without explanation... and with it the emergence of laws gradually (into the sequence of action) and properties of matter "out of nothing"... it is not a groping "why" it-and-it is such and such.... he will explain all this rationally. - - So I'm very shocked that in 40 years, HDV has read dozens, maybe hundreds of scientists, and none of them thought that "why" space-time curves into quantum foam should be investigated.... Why why ???? and whether this curvature is not the way the Universe itself produces matter after the Bang... in the plasma, which is an extremely crooked environment of space-time itself, where "the curvature of dimensions is already matter-plasma"... , etc. etc., there elements, etc. This shocks me very much that no one, no physicist, has been born to this day, who would notice such thoughts and start working on it... why the dimension čp is curved into quantum foam... .and from there the curvature expands, but systematically, very sophisticated, according to some mathematics, rules, etc. (unpacking is not just like a bud in a rose ... more like Mandelbrot's fractals, not from one point, but at all points in the Universe "at once" ... etc. )

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dttto Translated by a friend who does not speak much English

From his book I have begun to understand states and faery of time space and ideas came into my mind that actually by very curving of dimensions of time space 3+3 into the glomerules – wave-packets by this way the Universe itself realizes – produces „something“ (elementary mass particles) which will has the NATURE of the matter + „something else“ in addition to it as we will classify **as properties** (glomerate states) that „unentangled“ plane time space 3+3D has got not, such as mass, charge, spin, symmetry etc. Mr. Ullmann says: Should we take a super-microscope and observe into the deepness of microcosm so we could see as far as into the size of proton  $10^{-15}$  m still plane time space and this plane time space would have been flatbed up to the size app.  $10^{-20}$  m so to the scale of the size of neutron and quark but still time space would have been smooth, only with a tiny curvature „coming from the gravity“ ((( of course, inside of proton or elektron respectively situation is entirely different ))) and...and now let's imagine that we would zoom that flat area of sea level even more deeply on the level of minus 20 orders !!! This is already madly unimaginable magnification and only (!) on these scales we would observe increasing of fluctuation of the length dimension curvatures. Only and only on this scale of  $10^{-40}$  m we would see bubbling quantum foam composed from time space dimensions, the space itself is boiling there. (\*\*\*, The next new things I'll explain later). Already along about that time the light came into my mind telling me that in this way curved dimensions are present inside of all elementary particles, so called geons, that curved dimensions are the base upon which particles of the matter exist, that „those torsions or curvatures“ of dimensions respectively are the very style of the construction of „something“ which then later has got behaviour of the matter, that this is the matter itself. Matter is nothing else but wrapped – balled state of time space dimensions. Likewise if you appreciate that for the construction of the T O T A L matter that you can observe around us ( atoms, molecules, compounds, proteins, DNA etc...) there is necessity of just !! presence of three pieces. Geons: (i.e. quarks U, quark D and elektron) , then it is amazing how everything is easy and madly realistic.... And it is realistic also for the next connections of those three pieces into atoms, molecules, conglomerates that we can see in chemical and biological textbooks. Very Mr. Ullmann helped me in 1981-3 to reach these ideas about „Two-Quantities Universe, about simplicity of the mass construction by the only and only process of dimensions curving of that 3+3 time space. No God or „Origin from Nothing“ or likewise.“ After 39 years I have different knowledge, a new astonishment: That nobody during 40 years didn't realize it, didn't realize that beauty and simplicity of matter origin by „the rolling and agglomeration“ of dimensions into the glomerules.... It is surely so much *shocking* logic, it is not a God's magic, it is so naturalistic, it's not origin of „something from nothing“, without explanation....this is also not just origin of matter itself but also originating of the laws of nature but what is important, it was GRADUAL, SUCCESSIVE birth (into the order of incidence of these laws too). This is not groping „why“ everything appear such a way how it is look like. All of this the sense of two-quantities state can be explained sensibly. - - It's very shocking me that until present time during 40years nobody was born, no physicist, who would such idea like this noticed and started work on it despite of most of them perhaps my HTQU read .... To answer question ... why time space dimensions are curving into quantum foam ..... Why ????? ...why ????? and whether this curving isn't only way of how very Universe produces matter after the Bang ...in plasma of vacuum, which is extremely crooked environment of very time space, where already „ torsion of dimensions is becoming matter- plasm" ...and so on etc., there particles automatically arise, and so on. It's shocking me very agonizingly, that nobody was born up to the present

days, no physicist, who would take of such cogitations note and begin to work on it ... why do dimensions of time space curve into the quantum foam?...and from here the crookedness unpaques itself but not chaotically but systematically, very sophisticatedly, in accordance with some maths, rules etc. (unwrapping is not just some bud-like in the rose...either like Mandelbrot's fractals but not from only one point but within all points of the Universe „at a blow“ ... etc. )