



## THE IMPOSSIBLE QUANTUM GRAVITY

Almost all mysteries and enigmas in quantum reality – from indeterminism, quantum non-locality and quantum entanglement to “interaction by distance”, “interaction not in time”, “telepathic interaction” of particles, defined and proved with Bell’s Theorem, and experimentally proven by Von Aspect, to the most recent experiment in Switzerland – find an explanation through our principal postulate on “Interaction by Symmetry,” which works as interaction by Similarity and “interaction by Memory” – by which we understand that similar structures interact and respond similarly (David Chalmers recently referred to that “Interaction by Similarity” as “Structural Invariance”), insofar as similar structures are linked through an unconscious “objective memory” of the Universe, which our “Semiotic-unconscious interpretation of Quantum reality” unmasks as a consequence of “Symmetria Pre stabilitatis”, insofar as Logical Symmetry has ontological behavior as Memory.

1. The logical-ontological premise from which we ensue is, first, that Gravitation and Quantum force cannot be two radically different forces, simply due to the fact that both the Gravity forces and the Quantum forces possess Symmetric nature, that both the Gravity

and the Quantum forces are Symmetric forces, and that Gravitation and Quantum force can only be two different modifications of the Same Common Universal Symmetric Force, which we call “General Symmetric force.”

Our second consideration follows from our discovery that insofar as the “Memory forces” also possess Symmetric nature, insofar as the “Objective Memory” is merely a particular behavior of “Objective Symmetry” – it follows that if Gravity forces and Memory forces also possess to an equal extent the same Symmetric Nature, then Gravity forces and Memory forces would be interchangeable within the general conditions of “General Symmetric forces.” And that, consequently, under certain ontological conditions (e.g., in the Macroscopic and mega-world), the General Symmetric forces may have the behavior of Gravity, while under other ontological conditions (e.g., in the ultra-micro-world) the Symmetric Forces may act as “Objective Memory forces”, or, generally, they may have the behavior of Memory.

Our studies have prompted us to launch an even more radical hypothesis, namely that “General Symmetric forces” under the conditions of the macro- and mega-world act as Gravity Forces (Gravitation), and when General Symmetric forces are forced to act in the Ultra-micro-world of Quantum, then the Gravity Forces are simply transformed into Memory forces, or, generally, “Gravitational Waves” are transformed into “Memory Waves” – in the language of physics – simply the “Gravitational Wave Functions” are transformed into “Memory Wave Functions.”

Naturally, here we are facing a fundamental question: Is it possible for the Gravitational Waves, expressed in Gravitational Functions, which are actualistic waves by definition, and accordingly actualistic functions, to have the phenomenology of “Wave Functions” or – directly speaking – is it possible for the Gravitational Waves to be Wave Functions, and to be expressed through “Wave Functions,” provided that by definition the Wave Function ought to undergo Reduction and to be destroyed-transformed for the Linear Actualistic time and the actualistic Universe of Minkovsky-Einsten to be born?

And precisely here the radicalness of our hypothesis becomes evident, namely that Gravitational Waves are not obliged to be actualistic waves in advance, because according to our hypothesis, it is precisely Gravitation which distorts the Primordial Possibilistic Quantum Time to transform it into macroscopic actualistic linear-consecutive open time! And, consequently, Gravitation is not obliged to have an actualistic nature in advance, because it is precisely the Symmetric Gravitational force that is creating Actualism by means of Reduction of the Wave Function and by means of distortion of the Instants-Possibilia in perpendicular direction.

The answer that we have for the time being, in order to avoid controversy, is the assumption that the actual Symmetric General forces possess the ability to exist in its two moduses: first, a Possibilistic modus of general symmetric forces, which is manifested as (1) Quantum Symmetric forces, and (2) as Memory Symmetric forces.

And, second, an Actualistic modus of general symmetric forces, which is manifested as Gravitation.

2. The Quantum Gravitation that had been sought for decades points sadly to its impossibility, if we accept the hypothesis about the mutual perpendicularity of the two times: Possibilistic Simultaneous Quantum Time and Actualistic macroscopic Linear Consecutive Time, their interaction, their constellation, and the hypothesis about the birth of Actualistic

time from the Possibilistic quantum time.

We can recall that the macroscopic cell of the Present is born owing to two moments: the reduction of the Wave function, and the perpendicular distortion of the Primordial Possibilistic Quantum time in Actualistic macroscopic time, and that these two moments coincide, according to our studies.

Precisely at the moment of perpendicular distortion of the initially straight course of possibilistic quantum time, marking the beginning of macroscopic actualistic linear time, precisely here it is necessary to seek the code and the secret of Quantum Gravitation.

Because actually it distorts space and time, but gravitation in the actual quantum world, before the macroscopic world has been born, is merely a symmetric force. There it plays according to the rules of objective memory, as a symmetric force. There it does not exist as gravitation, does not behave as Gravity, but Gravity behaves as a symmetric force of Memory.

Therefore, the point where the symmetric forces of Memory pass into symmetric forces of Gravity is exactly the moment in which the instants of quantum possibilistic Future are hooked by the reduction of Wave Function, and curve one after another in order to build this linear consecutive macroscopic actualistic time.

The very reduction of the Wave function itself is the factor that transforms symmetric Memory forces into Gravity forces, and Gravity emerges as Gravity exactly in the moment of reduction of the Wave Function. Or, consequently, according to us, the reduction of the Wave Function transforms Symmetric Memory forces into Symmetric Gravity Forces.

Gravitation occurs at the moment of the reduction of the Wave Function, having worked earlier under another ontological status, under the status of Memory forces, because in the kingdom of possibilities of the Quantum Realm there is no Gravity as Gravity, but there are symmetric forces as pseudo-Gravity, which works as interaction by Symmetry, which actually is interaction “by memory” and “by telepathy.”

It appears that quantum Gravitation is generated at the instant in which the wave function is destroyed, or – according to us – it does not exist. Quantum Symmetric forces of Memory forces are transformed into Symmetric gravity forces at the moment of destruction of Quantum forces.

Consequently, quantum Gravitation is impossible as a theory, because Gravitation itself is born from the modification of the quantum force, it is self-modification of the quantum force. Therefore, quantum forces and Gravitational forces cannot work together. In quantum reality, symmetric Memory forces work instead of gravitational forces and “interaction by symmetry” is “interaction by similarity” and “interaction by telepathy.”

And precisely these gravity forces curve one after another all possibilities and all instants in order to build this linear consecutive time.

However, here it would be pertinent to ask: if it is gravitation that distorts instant after instant the quantum time that initially flows perpendicular to our traditional linear time, then the force that will straighten the instants distorted by gravitation must be a force, also gravitational, but acting in perpendicular direction. That force should not be anti-gravitational, but gravitation with opposite arrow of time, and in order to restore to the instants their initial straight direction, in order to straighten time, in order to attain the moment of contemplation, or as we call it – entering the instants – we need a force that is

gravitational. The question is: which is this force, and is it the force of the Mind?

Therefore, the Mind ought to possess one gravitational force with two temporal arrows: once the gravitational force of the mind will move along the temporal arrow of linear consecutive time, and a second time the gravitational force of the mind will move along the temporal arrow of perpendicular quantum possibilistic Time.

The arrow of Possibilistic Time will straighten the instants (possibilia) which gravitation has distorted at the moment of the reduction, so as to form, instant after instant, the linear open time.

This is why, the force of the Will and the force of Fantasy-Chance, behind which there are Global Asymmetric anti-Gravity forces, acts as a force opposite to Gravitation, but equal in terms of quantitative moment to the gravitational, and which precisely by transforming the Quantum Future into Macroscopic Present, performs reduction of the Wave Function.

The mind perceives precisely that anti-gravitational force as its own force, when it moves along with the temporal arrow of Linear Consecutive time. This is the reason why the human mind perceives consciousness as a linear consecutive consciousness, which is produced by left brain hemisphere and time repeats the dynamics of the mental flow from the left to the right hemisphere.

Unlike the simultaneous perpendicular time, which Corpus Callosum, uniting functionally the two hemispheres, collects the times, performing a contraction of Time and restoring the primordial simultaneous possibilistic Quantum Time.

Here we come to a pseudo-antinomy, because we discover that the mind acts simultaneously through the symmetric gravitational forces and the asymmetric anti-gravitational forces. It is a pseudo-antinomy, because the mind has a dual appearance because it works simultaneously with both temporal arrows.

Let us recall that the Mind, being a Cosmological machine for De-temporalization and De-perceptualization, acted through two mechanisms:

1) It restored the Wave Function by re-transforming the Perception Energetic Function into Wave possibilistic Information Function, thus re-transforming Macroscopic Present into Quantum Future.

2) On the other hand, it acted as a Black Hole.

When the Mind acts as a Black Hole, it acts in agreement with the symmetric Gravitational forces, which by performing the total destruction of Matter and Energy, equalize everything with everything and realize Symmetrization, transforming Energy into Information, and vice versa.

However, when the mind, while restoring the Wave function, transforms the macroscopic Present into Quantum future, it performs the dematerialization again by means of the gravitational forces, which distort, however, the instants in the opposite perpendicular direction, restoring the Primordial possibilistic time.

The force that will act opposite Gravitation, which has distorted the quantum instants so as to transform them into linear time, and which will straighten them instant after instant, is the force that will have a de-materializing action. And if it has a de-materializing action, then it re-transforms the macroscopic present into Quantum Future or Quantum Past. And consequently, the straightening of the instants coincides with the moment not only of contemplation and inspiration, but it actually realizes the moment of de- perceptualization

and dematerialization, which the mind is doing, and this dematerialization will be realized as straightening of the instants, which are distorted, so as to form the linear time and to return to their initial direction.

In this way, the penetration into the instants by means of dematerialization means return to the spiritual possibilistic quantum reality.

In order to be capable of distorting the instants of primordial quantum time and of creating through that distortion the Actualistic macroscopic linear time, the mind ought to possess Symmetric Gravity forces.

And in order to restore to the distorted instants from Linear Consecutive Time their initial straight direction, the Mind ought to re-curve the Linear Instants in perpendicular direction so as to re-transform these instants from Linear Actualistic instants into Simultaneous Possibilistic quantum instants, and such a re-straightening of the instants requires of the Mind to act with the same Symmetric force nature that it has, and without the need of passing from Symmetric Gravity forces into Asymmetric anti-Gravity forces – simply to change its direction from a perpendicular direction into another.

In one of its perpendicular directions, the Symmetric force of the Mind will act along the Quantum Possibilistic time, while in the contrary perpendicular direction the Mind will act along the Macroscopic Linear Consecutive time.

Third, we can recall the general theory on the nature of the Mind, (in our opinion, the fundamental characteristic of the Mind is not the “Intentionality” of Husserl and Brentano, it is “Simultaneity”, by means of which the mind, putting Past, Present and Future together, achieves “Contraction of Time”).

In this case it is necessary to recall that the Mind – according to the times that it forms and creates – acts in two of its principal moduses: first, the traditional Linear Actualistic Consecutive Open Time is usually accompanied and expressed by the so-called “Linear-consecutive Mind,” which corresponds to the Linear consecutive Time.

On the other hand, the Quantum Possibilistic Simultaneous Instantaneous Time expressed through (and is accompanied by) the Perpendicular Simultaneous Instantaneous Mind, and it is precisely that Mind which performs the “Contraction of Time” by putting together Past, Present and Future in one: “Eternal-Instantaneous-Simultaneous Time-Present-Consciousness.”

Consequently, the mind will transform one modification of the Symmetric forces by reducing the Wave Function, which is Gravitation, moving along with the linear Time arrow to another modification of the Symmetric forces, which are, however, Memory forces, acting to restore the Wave Function, and moving along with perpendicular possibilistic Time, and returning our psyche, as unreduced Wave Function, into the kingdom of Knowledge.

If the material world is born from the transformation of the information Future into the Energetic Macroscopic Present by the power of the world’s asymmetric anti-gravity forces of Chance-fantasy, where the Cell of the Present hooks only one of the possibilities of the Wave Function, and moreover reducing it, and – conversely – the spiritual world restored through the re-transformation of the Energetic Present into the Information Future, for which the restoration of Wave Function performed by the mind is responsible.

If it seems to us that the reduction of the wave function causes gravitation, this is because the anti-gravitational force will remain a symmetric force, only changed through the

arrow of time. A symmetric force that we need in order to restore the primordial symmetric force, similar to the “symmetric memory force” of the primordially non-distorted instants, which is the force of the unreduced Wave functions – this will be another modification of the symmetric force.

Consequently, the mind will transform one modification of the Symmetric force, which is Gravitation, into another modification of the Symmetric force, which is memory force, caused by “Interaction by Symmetry”, which is the own force of the unreduced Wave Function.

It follows that our primordial model that an Asymmetric-anti-gravity Impulse is creating the energetic Universe is not sufficiently relevant, because we prove here that at the moment of Reduction of the Wave Function and the appearance of the “Cell of the Present”, in fact it is Gravitation that distorts instant after instant the primordially flowing Instants-Possibilia of the Perpendicular-possibilistic-quantum Time.

Consequently, Gravity Forces build this Macroscopic-linear-open Time, and originate the Cell of the Present and Macro-world.

Here we prove that the reduction of the Wave Function causes the appearance of Gravity forces by transforming a “General Symmetric force” from one of its modifications – “Memory force” – into another of its modifications, which is “Gravity force.” Therefore, we are not referring here to Anti-gravitational force, but to different modifications of the General Symmetric forces. The transformation of the Symmetric forces from “Symmetric Memory forces” into “Symmetric Gravity forces” actually causes the birth of the Macroscopic Universe by means of the Reduction of the Wave Function.

Hence it follows that the Big Bang Hypothesis ought to be re-examined elsewhere in the light of the above considerations.

#### **COUNTERPOINT TO MATERIA**

Well, I do not agree that the shape of the Universe depends on the shape of the time arrow. The shape of the Universe depends on the shape of the Light cone. In fact, the shape of the Universe depends on the deformed picture which the Light Cone receives as a result of the interaction of two times arrows: the Arrow of Quantum Possibilistic Time and the Arrow of Macroscopic Linear Time. Hence, the shape of the Universe depends on the Interaction of the shapes of the two Arrows.

