



On Possible Role of Telepathy and Telekinesis in Big Bang, Universe Expansion and Life Propagation through the Universe

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ABSTRACT

We consider here possible involvements of the telepathy, as well as of the psychokinetic effect, to the birth of the World for one Universe as well as Many Universes models. The telepathic information exchange (*telepathic interaction*) between different parts of a Universe and between Universes (in Many Universes model) may influence the World state, structure and behavior also after Big Bang side by side General Relativity and quantum field processes. For example, a telepathic message can forward to a cosmic object the order to change its trajectory and other parameters of the movement, or/and the order to decay by a certain way *etc.* Such and other orders may change the development of the Universe (or many Universe World) after Big Bang, as well as to influence the point like state of the World before Big Bang. Of course, the written above can be realized only when there are cosmic objects able to generate messages and send them by the telepathy while others are able to accept and process them (Temkin 1999). The telepathic messages influence the life distribution in Cosmos may be produced by telepathic transport of programs necessary for creation, for example, different DNA molecules. It is considered in the present article. The interaction (collision) of two telepathic messages is considered. As result of it new telepathic messages could be appeared carrying new information, generally speaking, other than the one carried by the initial colliding messages. If the flux of colliding telepathic messages is dense, multi-messages (> 2) collisions may occur producing complicated constructions of information quanta clusters, even able to be considered as the matter, even such as DNA molecules and living beings. It could be one way the matter creation from the information.

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Key Words: Telepathy, Telekinesis, Big Bang, Telepathic Messages Interaction, DNA Molecule Creation, Information Contained in Cosmos on Human Thinking

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Introduction

Let us consider processes influencing the behavior and states of a part of the World and the World as the whole. We shall denote by the term World the set of all existing objects, including the vacuum, as well as all the Universes (Greene 2011), while the term "Universe" we remain for only one of them. Let us consider processes influencing the behavior and states of a part of the World or the World as the whole. Elementary processes provoking changes in the World are interactions between different objects, processes

described by the General Relativity and quantum field theory, information emission, absorption and transfer, including the corresponding telepathic ones. Our task is to construct the relevant mathematical formalism for their representation. Note that the taking into account the telepathy represents a part of the general problem of the information influence on the Big Bang dynamics and the Universe structure as function of its expansion process. If we consider the after Big Bang Universe as consisted of clusters of many sky bodies each,

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then each of them may be able to think, i. e., to generate, to receive and process of the information, the exchange of the information between such clusters may influence essentially the Universe expanding process. The other task is to search for conditions that a cluster is able to think as it is defined in (Temkin 1999).

Let us now mathematically define notions necessary for the description systems mentioned above. Denote B a physical body and $B = \{B_{\gamma_{\Omega}}^{(\Omega)}\}$ a set of such bodies, where Ω denotes a class and $\gamma_{\Omega} \subseteq \Omega$ denotes a type inside this class. Let now Ω_+ and Ω_- denote types of physical bodies able and not able, correspondingly, to send and receive information by the telepathy or/and orders for telekinesis. We accept that only physical bodies able both to accept and to emit the telepathic information or telekinesis orders can change their content or other parameters. We denote such types of physical bodies $\gamma_{\Omega} \subseteq \Omega$ denotes a type inside this class. Let now Ω_+ and Ω_- denote types of physical bodies able and not able, correspondingly, to send and receive information by the telepathy or/and orders for telekinesis. We accept that only physical bodies able both to accept and to emit the telepathic information or telekinesis orders can change their content or other parameters. We denote such types of physical bodies Ω_{-+} . Denote $\Theta_{ex} = \{\theta_{ex,v}\}$ the set of all external (i. e., not including its content) parameters of a telepathic message or telekinesis. One of external parameters is the velocity of telepathic message propagation. This velocity and its changes at the telepathic message interactions with physical bodies of different types being in Cosmos determine the propagation velocity of a telepathic message. The simplest model of the telepathic message propagation is the one of the multiple scattering by physical bodies in Cosmos. We shall demonstrate its use on the example of linear Boltzmann gas kinetic equation. It can be expected that this model is not bad because the density of $\Theta_{ex} = \{\theta_{ex,v}\}$ in Cosmos is very low.

Let us suppose that in ideal vacuum the telepathic message propagation velocity v is constant independently from the distant and direction, but dependent on sender, i. e., $v = v(B_{\gamma_{\Omega}}^{(\Omega)})$. Of course, it must find the

convenient description of the Cosmos as, for example, General Relativity or something other and only then to define v . Note that the General Relativity was mentioned only to indicate to the serious problem that is to be considered and solved. Indeed, the General Relativity (as the Special one) is based on the fact that the information can propagate with the speed $v \leq c$, where c is the speed of light. However, the propagation velocity of information carried by the telepathy is not limited by c (Temkin 1982, 1999).

Thus, it is to clarify whether $v_{\max} = \max v$ exists as a universal constant, and, if yes, to find the Cosmos structure like in the Relativity which is based on the fact that the speed of light c is the maximum one for material objects movement in vacuum. In our consideration vacuum means also "free from telepathic messages", or, more generally, "free from any information". Note that the latter definition demands a serious consideration because such vacuum free from any information may be like free from electrons, which consists of Dirac electron-positron pairs.

Kinetic equation for telepathic messages Flux propagation in non-empty space

Denote $M^{(r)}$ a telepathic message and $I_{\Lambda}^{(M^{(r)})}$ the amount of the information of the type Λ carrying by the considered message. Let us denote $Q_{\Lambda}(B_{\gamma_{\Omega_+}}^{(\Omega_+)})$ the power of the telepathic information source, i. e., the amount of the information of the type Λ emitted per unit of time.

Consider in the beginning the Non-Relativistic model. Let $N(I_{\Lambda}^{(M^{(r)})}, t)$ be the numeric density of telepathic messages as function of time t . We shall consider the simplified model when $N(I_{\Lambda}^{(M^{(r)})}, t)$ consists only of telepathic messages, but does not include other information. We shall try to obtain a linear Boltzmann equation like the one for neutron propagation through the medium (see, for example, Marshak 1947, Davison 1957). Let us write the kinetic equation for the case under consideration:



$$\left. \begin{aligned} \frac{\partial N(I_{\Lambda}^{(M^{(r)})}, t)}{\partial t} &= \frac{r}{v} \text{grad} N(I_{\Lambda}^{(M^{(r)})}, t) + \frac{v}{l_s} N(I_{\Lambda}^{(M^{(r)})}, t) = \\ S_{\Lambda'} \int_{l_s}^{v'} w \left(\frac{r}{p}, \frac{r}{p}, I_{\Lambda}^{(M^{(r)})}, I_{\Lambda'}^{(M^{(r)})} \right) N \left(\frac{r}{p}, I_{\Lambda}^{(M^{(r)})}, t, \frac{r}{p} \right) d\vec{p}' \delta M' \delta \Lambda' + \\ Q_{\Lambda} (B_{\Lambda}^{(\Omega^+)}) \end{aligned} \right\} (1)$$

where $S_{\Lambda'}$ is symbol of sum with respect to Λ' discrete values and integral with respect to its continuous ones, $\frac{1}{v}$ is the velocity of telepathic message propagation in space, $\frac{1}{p}$ is the corresponding linear momentum, $v = |\vec{v}|$ and $p = |\vec{p}|$. This linear momentum must be defined. We define $\frac{1}{p}$ as information amount carried by the telepathic message multiplied to the velocity of its propagation:

$$\frac{r}{p} = I_{\Lambda}^{(M^{(r)})} \frac{r}{v} \quad (2)$$

Thus, the first problem is to find $w \left(\frac{r}{p}, \frac{r}{p}, I_{\Lambda}^{(M^{(r)})}, I_{\Lambda'}^{(M^{(r)})} \right)$, $\frac{1}{v}$ and l_s for the case under consideration. Then one can choose a convenient method to solve of the Eqn. (2) and to do it. Concerning $\frac{1}{v}$. The simplest case is when it is isotropic with respect to all directions in the space that can be written as $\frac{r}{v} = v e, |\vec{e}| = 1$.

Define now the concept of kinetic energy of telepathic message movement in the space as follows:

$$E = \frac{I_{\Lambda}^{(M^{(r)})} v^2}{2} \quad (3)$$

It must not identify it with the physical body movement kinetic energy.

Remind that we use here only the linear theory of the telepathic messages flux propagation (ctf. Eqn. (1)), so interaction between such messages is neglected and the proposed theory is valid only for low density flux of telepathic messages.

Denote $\tau_{B_2 B_1}$ the time necessary telepathic message emitted by physical body B_1 to reach B_2 . This means, for example, that in this time B_2 will

get from the sender B_1 order to change its behavior. If B_2 is able to accept and process information, as well as to send it as telepathic messages, it may change profoundly the content of the propagating information. This process can be compared qualitatively with the propagation of elementary particles' flux with the particles creation and annihilation etc.

Change of messages' content at "Inelastic Collisions" between telepathic messages in the case of Flux small perturbations

Inelastic collisions between telepathic messages issued from a certain sender A and from another one X may be used by A to detect X as a cosmic object possessing the intelligence. It can be done by the analyses of changes produced in the telepathic messages by the collision. By this way such process can be used to search for the intelligence distributed through the Universe.

The taking into account collisions between telepathic messages means, generally speaking, the consideration of non-linear flux. Because of it we consider here a simplified problem when this collisions' frequency is low in such a degree that collisions between two telepathic messages may create only small perturbations of the flux. In zeroth-order approximation the described process can be represented as follows:

$$Y'_{AX} = \iiint_V N \left(I_{\Lambda_x}^{(M^{(r)})}, t, \frac{r}{p} \right) \left(\hat{a} \left| I_{\Lambda_x}^{(M^{(r)})} \right| \right) N \left(I_{\Lambda_x}^{(M^{(r)})}, t, \frac{r}{p} \right) dx dy dz, \quad \vec{r} = (x, y, z), \quad (4)$$

Where V the volume under consideration is, $Y'_{A'X'}$ is the number density of the obtained collision products and \hat{a} is the operator representing the considered process. In the case when the inelastic collision changes only the distributions Λ in messages A and X (inelastic collision without rearrangement) the products are the same as the initial messages, but with changed spectrum Λ . In such case the messages could be distorted so that their content will be changed. By this reason, it is not desirable to create dense flux of telepathic messages.

Let us consider such collision in detail. First of all, it is to find the mechanism of two telepathic messages interaction that make able processes mentioned above. If to start from the interactions between quanta of information (Pagliani, Chakraborty 2005a,b; Pawlak 2002; Wolski 2006; Fujimoto 2012), we arrive to



the interaction between different thoughts Θ , and at the end between telepathic messages. It is very probably that the interaction law between information quanta cannot be obtained without use experimental results. This means it is necessary to find them and perform necessary experiments. Theoretical consideration of thoughts' collisions can be done on the grounds of thought definition as activated Chains of Relations (ACRs) (Temkin 1999, Ch. 1).

The other way to consider the abovementioned problem could be the one based on the phenomenological approach. One way to do it is as follows. Let us represent a telepathic message $M_X^{(T)}$ as a number of blocks $\Theta_m^{M_X^{(T)}}$:

$$M_X^{(T)} = \left[\forall \Theta_m^{M_X^{(T)}} \subset M_X^{(T)}, m \in [1, m_{\max}] \subset \mathbb{N} \right] \bigcup_{m=1}^{m_{\max}} \Theta_m^{M_X^{(T)}} \quad (2)$$

Where \mathbb{N} is the set of all integral positive numbers. Thereupon it is to find the results (with corresponding probabilities) of interaction inside each pair of blocks issued from $M_X^{(T)} \bigcup M_A^{(T)}$. Let processes between pairs $\Theta_{m_X}^{M_X^{(T)}}$ and $\Theta_{m_Y}^{M_Y^{(T)}}$ be represented as follows

$$\Theta_{m_X}^{M_X^{(T)}} \bigcup_{\forall (m_X, m_Y)} \Theta_{m_Y}^{M_Y^{(T)}} \rightarrow \Theta_{m_Z}^{M_Z^{(T)}} \subset \{M_Z^{(T)}\} [[m_X, m_Y, m_Z] \subset \mathbb{N}] \quad (6)$$

where $\{M_Z^{(T)}\}$ is the set of telepathic messages obtained as a result of the considered collision.

A way of the life propagation in Cosmos: Transfer between Cosmic objects by telepathic messages the ability for information processing (Up to thinking)

Let Eqn. (4) describes two telepathic messages inelastic collision without rearrangement:

$$Y_{A'X'} = \left[\left\{ I_{\Lambda_{X'}}^{(M_X^{(T)})} \right\} \neq \left\{ I_{\Lambda_Y}^{(M_Y^{(T)})} \right\}, \left\{ I_{\Lambda_X}^{(M_X^{(T)})} \right\} \neq \left\{ I_{\Lambda_A}^{(M_A^{(T)})} \right\} \right] N_{X'} \left(I_{\Lambda_{X'}}^{(M_X^{(T)})}, t, r \right) + N_{A'} \left(I_{\Lambda_{A'}}^{(M_A^{(T)})}, t, r \right) \quad (7)$$

Let a cosmic body C (able to think (Temkin 1999)) sends such a telepathic message to another body D that makes D able to process the information and even think (Temkin 1999), *i. e.*, provokes a corresponding psychokinetic effect in D . Then it will be possible to forward programs to the body D .

Let us to denote $P'_A = \left[\Lambda^{(\lambda)}_A \subseteq \Lambda_A \right] \left\{ I_{\Lambda^{(\lambda)}_A}^{(M_A^{(T)})} \right\}$ a program necessary to build a certain DNA molecule, if all necessary materials exist in the body D .

There upon consider $P'_A = \left[\Lambda^{(\lambda)}_A \subseteq \Lambda_A \right] \left\{ I_{\Lambda^{(\lambda)}_A}^{(M_A^{(T)})} \right\}$ transfer from one cosmic body to another and its use to create there a DNA molecule.

This means, the proposed mechanism of the life propagation in space demands: 1) the existence a body able to create programs for DNA or/and other leaving body creation, and send them by the telepathy; 2) the existence materials and conditions necessary to build the desired living body.

Note that the effect of inelastic collision of telepathic messages (*cf.* Eqn. (7)) can be used for life distribution through the space, if a number of such inelastic collisions is resulted by a program P'_A realizing a certain living object creation. At the same time it must keep in mind that really the cosmic object where the inelastic collision occurred may contain not sufficient materials for, *e. g.*, DNA molecule creation. Then it must wait the supplemental materials' arrival on other cosmic bodies that will be joined with the considered one. This means, the task of the life propagation is complex containing different types of processes and their kinetics.

Creation matter from information by telepathic messages collisions

Here we consider the matter creation from the information carried by telepathemes. The matter is considered as built of particles each of which is a cluster or clusters of information quanta. Inelastic telepathemes' collisions may create (*cf.* Eqn. (6)) information quanta clusters big enough to be considered particles of that what we usually call "matter". The information carried by telepathemes may be thoughts as them were defined in (Temkin 1999). Thus, thoughts may create matter. Different material objects consist from different information clusters arranged and connected differently. Information carried by information quanta forming a material body may be influenced by, *e. g.*, thoughts of a human being, may change the considered material body, which will be the telekinesis. By analogy it may occur without human being, for example, because information exchange between cosmic objects etc.



Possibly this way could lead also to creation of living objects from viruses up to human beings and Cosmos inhabitants. It would be interesting also to check whether the telekinesis may influence behavior of big cosmic objects, not living, but able to process, accept, send information and to think (Temkin 1999).

Conclusion

In this article were considered some possible ways of telepathy and telekinesis influence processes during Big Bang and the following Universe expansion, as well as the propagation of life through the Universe. An important aspect of following theoretical and experimental researches should be the search for constants and functions appeared in mathematical formalism written about.

Effects of telepathic messages interaction and its influence on the information distribution were considered. If these telepathic messages contain thoughts (Temkin 1999), their interaction lead to creation new thoughts and disappearance of some thoughts existed before this interaction. This means, for example, thoughts emitted by somebody A brain may interact with the ones emitted by somebody B brain, or existing in Cosmos, creating new thoughts. It may occur, in particular, with the set of thoughts forming somebodies (living or dead) personality (Temkin 1999), i. e., it can be a way of the souls' migration.

It would be natural to suppose that thoughts existing in space could interact with

thoughts being inside the human brain and by this influence the human thinking. It could be called Mach principle for human thinking (Temkin 2003).

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