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Information Transfer by Quantum Entanglement in the Brain

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Abstract

A human brain can communicate with another one's brain was using quantum entanglement. Identical particles can entangle without interaction. Sensory communication between two individuals from far distances is still not known. In this research, the information transfer based on entanglement between the brains of two persons was investigated. The test was performed on two individuals far from each other. These individuals were put under the same music on the basis of brain neuroplasticity property. By activating the brain reward system, aligned thinking was time-scheduled in these individuals' brains. On the basis of entanglement, compressed information has been sent and received between these two individuals.

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1. Introduction

Entanglement is one of the most complex phenomena of quantum mechanics. Entanglement has been considered theoretically with no interaction. ^[1] Meanwhile, all the similar particles can be entangled. ^[1] The possibility for entanglement in the brain has been considered by the researchers. ^[2] Many studies have been carried out about brain quantum behavior as well. ^{[3][4][5][6]}

Various neurotransmitters are secreted in the human brain for different aims and also human brain also has neuroplasticity properties. Dopamine's role in learning as well as the brain reward system is fully known. ^[7] Furthermore, the music effect on neuroplasticity property is known and studied completely. ^[8]

Extrasensory behaviors can be surveyed within brain quantum behaviors.^[9] Love and an increase in dopamine secretion are directly related.^[10]

Without performing precise tests the brain's extrasensory behaviors can't be related to quantum phenomena. Often performing scientific tests in this field is confronted with many problems like non-reproducibility of the events. Complexities of quantum phenomena such as entanglement are hidden in space-time structure^{[11][12]}. Consequently, the time role is considerable for the appearance of quantum behaviors.

In this research, Precise tests were carried out based on the music effect and neuroplasticity properties. Quantum entanglement was investigated in terms of dopamine secretion increase level in the brain. In addition, various information was sent and received based on information compression. On this basis, some Software are in the process of designing for compressing, decoding and sending information.

2. Test One

Human eyes enjoy looking at the equal and paired numbers in digital clocks. Observation of pair numbers activates the reward and error system in the brain; as a result, biological clocks of the dependent brain regulate their activities on the basis of observing clock pair numbers. By increasing neurotransmitter levels depending on thinking, specified thoughts were related to this phenomenon. The pair clocks were observed by calling a special memory from a particular person. Simultaneously the participating individuals in this test listened to the same pieces of the minor scale music. On the basis of neuroplasticity property in the brain, the time and number of pair clock observations became more after a while. Never these individuals had met. Then, afterwards, these individuals had textual conversations. These individuals observed their photos as well. After a month, daily ordinary conversations were stopped, and the same pieces were heard again.

3. Entanglement between two brains' particles

Each time that individual 'A' is thinking about individual 'B', individual 'B' looks at clock pair numbers unconsciously after a short time. A deeper relationship was found due to this phenomenon. Different thoughts were compressed by the brain and sent like worry, love, nostalgia, happiness, and... For example, individual 'A' worried about the problems of individual 'B', and 'A' looked at the clock at 12:12. The individual 'B' understood 'A' worries, and looked at the clock at 12:21. After 12:21, 'A' became calm. This phenomenon follows quantum entanglement completely and expresses the matter that particles in man's brain can entangle with other particles without any interaction. Figure 1. (3.1) The time lifting of the feedback is due to decoding based on the structure six-dimensional space-time, of Qubits by the brain. The more complex point was not observing some numbers in some of the testing days. For example, the time 10:01 and the response 10:10 were not observed at all in several days, or only once a day the pair numbers were observed.

$$|00\rangle = \begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}, |01\rangle = \begin{bmatrix} 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}, |10\rangle = \begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \end{bmatrix}, |11\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{bmatrix}, |01\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 1 \\ 0 \end{bmatrix}, |00\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{bmatrix}$$

$$|\Psi\rangle = b_1 |\tilde{\psi}_1\rangle + b_2 |\tilde{\psi}_2\rangle + \dots + b_n |\tilde{\psi}_n\rangle$$

$$|\tilde{\psi}\rangle = \alpha_1 |A_1\rangle + \alpha_2 |A_2\rangle + \alpha_3 |A_3\rangle + \alpha_4 |A_4\rangle + \alpha_5 |A_5\rangle + \alpha_6 |A_6\rangle$$

$$b_1 = \cos\left(\frac{\theta}{2}\right), b_2 = e^{i\Phi} \sin\left(\frac{\theta}{2}\right), \sqrt{1 - \frac{v^2}{c^2}} = \sin\left(\cos^{-1}\left(\frac{v}{c}\right)\right) = \sin\theta, v \equiv \Delta x$$

$$\Delta x^2 \equiv (\rho c) \Rightarrow \rho \equiv E \equiv \theta, \Phi$$

$$\int_0^{2\pi} |\psi(x, t)|^2 dx = 1 \rightarrow \frac{2\pi}{6} \Rightarrow \left(\frac{\pi}{3}\right), \left(\frac{2\pi}{3}\right), (\pi), \left(\frac{4\pi}{3}\right), \left(\frac{5\pi}{3}\right), (2\pi)$$

$$\mathbf{A}_1 = \pm\left(\frac{\pi}{3}\right), \mathbf{A}_2 = \pm\left(\frac{2\pi}{3}\right), \mathbf{A}_3 = \pm(\pi), \mathbf{A}_4 = \pm\left(\frac{4\pi}{3}\right), \mathbf{A}_5 = \pm\left(\frac{5\pi}{3}\right), \mathbf{A}_6 = \pm(2\pi),$$

$$|\Psi\rangle = b_1 |0\rangle + b_2 |1\rangle \Rightarrow |\Psi\rangle = b_1 |0\rangle + b_2 |1\rangle + b_3 |0\rangle + b_4 |1\rangle \quad (3.1)$$

$$\Rightarrow \frac{1}{\sqrt{2}} (|00\rangle + |11\rangle)$$

$$|\eta\rangle = z_0 |a_0\rangle + z_1 |a_1\rangle + z_0 |a_0\rangle + z_1 |a_1\rangle, |\mu\rangle = d_0 |b_0\rangle + d_1 |b_1\rangle + d_0 |b_0\rangle + d_1 |b_1\rangle$$

$$|\eta\rangle \otimes |\mu\rangle = (z_0 d_0^{d_0 z_0} |a_0\rangle) |a_0\rangle |b_0\rangle |b_0\rangle + \dots$$

$$A: |12:12\rangle = \begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \rightarrow B: |12:21\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 1 \end{bmatrix}, A: |13:13\rangle = \begin{bmatrix} 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \rightarrow B: |13:31\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{bmatrix}, A: |14:14\rangle = \begin{bmatrix} 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \end{bmatrix}, B: |14:41\rangle = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \end{bmatrix}$$

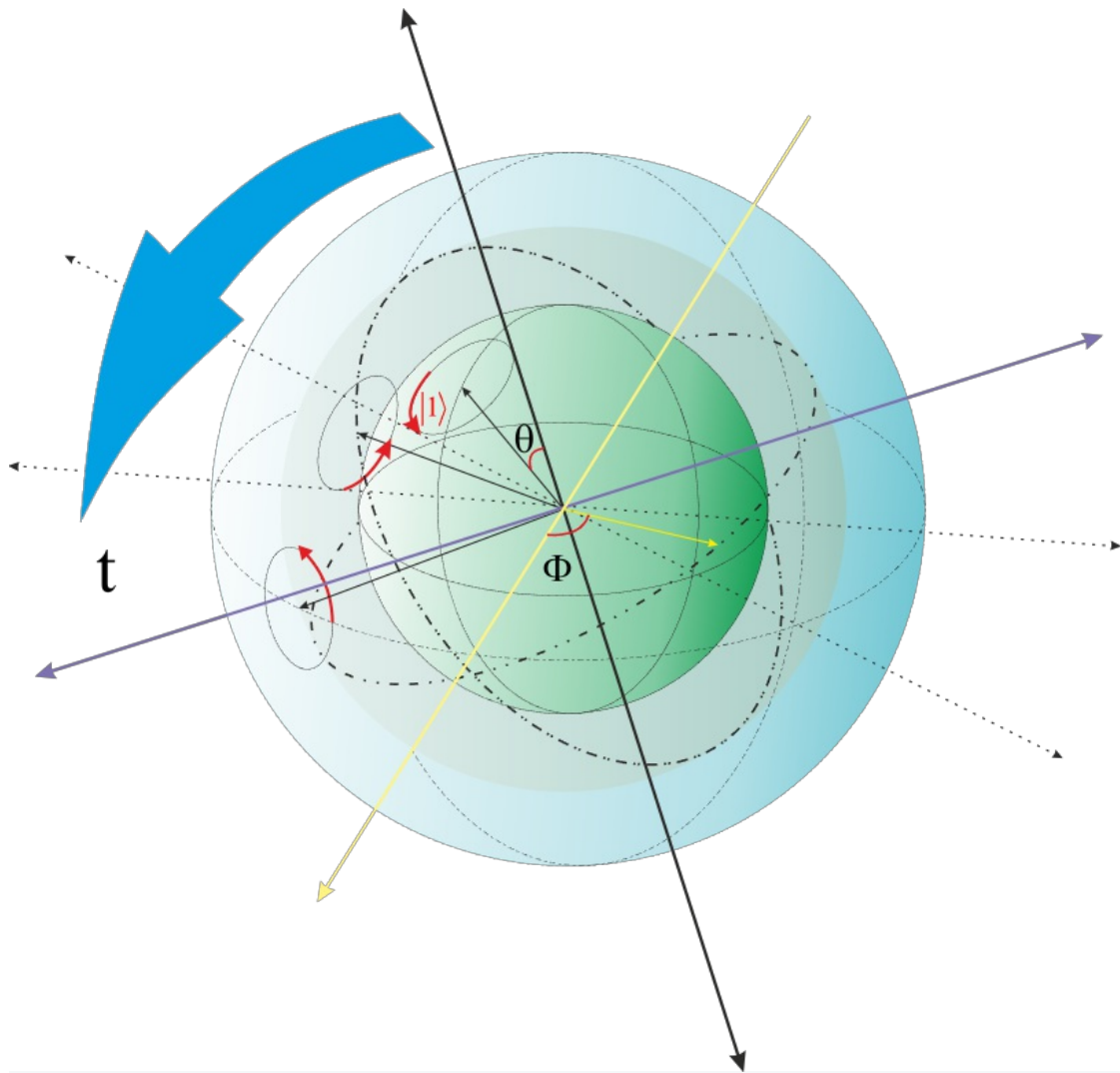


Figure 1.

Figure 1: The density of the object is like a length in the time dimensions. The density is the red line in the figure that rotates around the mass field. Based on the repetition of the quantum states in space and time, a particle is entanglement with its past. The brain predicts future qubits based on associated memories. However, identical particles can be entangled with each other. The mass field of each particle has a direct relationship with the spin and state of the particle. When repeating the states in space and time, particles of the same mass are in general oscillating together. And they have the wave function same.

4. Decoding and sending information

Finally, a key was designed for decoding information. Words were classified on the basis of the Fibonacci sequence which is a component of neurons' fractal structure. Letters were categorized in terms of expression.

Table 1.

آ او ای ه ی	1	a u i h y ē
ـ	2	æ ε Ω
ب پ م	3	b , p , m
ر ز ل	5	r , z , l
ت د ذ ط ص ض ن	8	t, d,n,z.
ع غ ق ح خ	13	ʔ, ɣ, h, x
ج چ س ش ژ	21	dʒ, s, ʃ, ʒ
ف و ث	34	f, v, c
ک گ	55	k, g

Table 1: Words were grouped based on consonants and vowels in the Persian language. Based on the time of learning the letters by the human baby, the letters were classified. Also, they were coded based on the Fibonacci sequence in the fractal structure of neurons. There is a direct relationship between the Fibonacci sequence and the growth process of living organisms. It seems that there is a connection direct link between learning and the Fibonacci sequence in the human brain.

This key has semantic generality in language. For example, the numbers related to words like sorrow, grief, pain,...are related mathematically. This relationship between words' meanings is related to the manner of semantic storage of words in the brain. As well, each number was related to a meaning based on the existing structure of language. These meanings are both positive and negative. Table (2). A lot of information is stored in one neuron pulse. Similar pulses have similar effects. Accordingly, the human brain classifies related concepts based on the facts of the surrounding world.

Table 2. Interpretation of numbers

Number	Interpretation
1	Oneness
2	Genesis
3	Material
4	Hegemony, Wisdom
5	Happy
6	Time
7	Love, Holy
8	Power
9	METAPHYSICAL

Other numbers are also related to the above numbers semantically. By summing the internal component of each number we obtain the above numbers. For example, the number '36' is equal to the word 'love' in the Persian language. This

number is related to the meaning of the holiness. (4.1) The brain stores, processes and compares information in a reversing manner for learning and timing [13]. Accordingly, to understand the concept of numbers obtained for classification, they must be multiplied by their inverse (4.2). One of the reasons for this is the existence of symmetry in the structure of neurons and the brain. However, this symmetry is not exactly the same as symmetrical numbers.[14]

$$2 + 21 + 13 = 36 \quad (4.1)$$

$$36 \rightarrow 3 + 6 = 9$$

$$36 \times 63 = 2268 \Rightarrow 2 + 2 + 6 + 8 = 9$$

$$12 \times 21 = 252 \Rightarrow 2 + 5 + 2 = 9 \quad (4.2)$$

$$\begin{bmatrix} 3 & 6 \\ 6 & 3 \end{bmatrix} = L, \quad \begin{bmatrix} 1 & 2 \\ 2 & 1 \end{bmatrix} = I \Rightarrow [\hat{L}, \hat{I}] = 0$$

Some related concepts in information transfer can have commutator, the role of symmetries in information interpretation is shown in equation (4.2).

Based on using this key, information was sent between the brains of two persons, received and decoded.

Using the relationship of numbers with reflective thinking in the individual 'A', different meanings and information were transferred and received through observations. Meanings of numbers and methods of word compression were taught to the individuals. After teaching, sending information without observation of numbers became possible and It seems to approve quantum entanglement between two brains' particles.

5. Results and discussion

As a result of this research, every particle has a spin. Based on the six-dimensional space-time, spin and quantum state are related to each other. All identical particles are in an oscillatory relationship with each other. And all identical particles can be intertwined with each other. The presence of similar neuronal structures in the human brain can be an effective factor in the emergence of momentary entanglement. It is possible to control the entanglement between identical particles by simultaneously increasing the level of neurotransmitters based on the existence of repeating states in space and time. and can be sent and decode the compressed information between two brains or two devices instantaneously.

Human memory and speech have a deep connection with each other. Human speech is learned based on the difficulty of learning different syllables and letters in the brain over time. As a result, difficult letters have different pulses in terms of learning. Information is classified in the brain based on a number of Factors such as aggregation, symmetry, and the role of inhibitory neurons. That should be taken into account in the numerical coding and decoding of words Based on this, the meaning of words and letters can be understood.

Brain activity differs depending on the surrounding environment. On this basis symmetrical environments geometrically

can play an essential role in improving brain operation. On the basis of quantum entanglement, the compressed information can be sent and received between two brains immediately. The human brain classifies words in terms of their related meaning. The numerical structure of the surrounding environment has meaning in the brain. Symmetry and the beauty of nature and the environment are dependent on geometry and mathematics. Thus, observation of these symmetries or non-observation has an effect on decision-making and thinking. Semantic compression of information plays an important role in the improvement of sending information by quantum entanglement. Numbers constitute the structure of the universe. Disorder in the environment is a factor in not thinking regularly. This problem had a direct effect on the test. The human brain can organize and classify the problems related to thinking in terms of order, symmetry and mathematics. Sometimes solving problems related to chaotic thinking is dependent on quantum mechanics and environmental mathematics. On this basis, observation of symmetries and numbers in nature had similar results in individuals. For example, observation of several birds' flight was a response to the person's thinking in the same immediately. It is evident that the brain knows the response before mentioning the question that is only describable by wave function in quantum mechanics. Quantum entanglement is related to the space-time structure of six dimensions. The findings of this research in the Persian language had many results, In this research, the working method was mentioned and It should be tested in other languages as well.

Statements and Declarations

Conflicts of interest

The author reports no conflicts of interest. The author alone is responsible for the content and writing of this article.

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