



Bilimin Mum Işığında Yunus Emre Felsefesi*

Philosophy of Yunus Emre by Candlelight of Science

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MAKALE BİLGİSİ

Makale Geçmişi:
Başvuru tarihi: 16.01.2022
Düzeltilme tarihi: 26.12.2022
Kabul tarihi: 29.11.2022

Anahtar Kelimeler:
Yunus Emre
Sosyal ve Küresel Barış
Yunus Emre Ontolojisi

ARTICLE INFO

Article history:
Received: 16.01.2022
Received in revised form: 26.12.2022
Accepted: 29.11.2022

Keywords:
Yunus Emre
Social and Global Peace
Yunus Emre Ontology

ÖZ

UNESCO 2021 anma programında yer alan Yunus Emre, çağdaş filozoflara ilham kaynağı olmuş bir bilgedir. Hem yerel hem de küresel ölçekte zamanının zor koşullarında manevi huzuru ve güveni aşlamıştır. Doğumdan önceki ve ölümden sonraki varoluş platformlarını aynı Allah sevgisiyle var olma özlemi olarak görmek Yunus Emre'ye bir filozof olarak ayrıcalık kazandırdı. İlkçağ filozoflarının yaşadıkları anlam arayışlarına ışık tutan şiirleri, çağdaş bilim yorumlarına da ilham kaynağı olmuştur. Yunus Emre Felsefesinin fikirleri sadece yedi asır önceki toplum yapısının temelini oluşturmakla kalmaz, günümüzün sosyo-kültürel ilkelerine de ilham verir. Bu yazıda Yunus Emre Felsefesinin bilimin ışığında düşündükleri ve güncel farklı bilimsel platformlara taşınması anlatılmaktadır. Simbiyotik ortaklık yaklaşımı ile bilimler arasındaki sınır koşullarının sadeliğindeki aklın gölgeleri keskinleştirilmiş ve Yunus Emre Felsefesinin inceliklerinin günümüz küresel sosyokültürel yapılanmasına verdiği destek değerlendirilmiştir.

ABSTRACT

Yunus Emre, who was included in the UNESCO 2021 commemoration program, is a wise who has inspired contemporary philosophers. It has instilled spiritual peace and trust both in the difficult conditions of his time on a local and global scale. Seeing the platforms of existence before birth and after death as the longing to exist with the same love of God gave Yunus Emre a privilege as a philosopher. His poems, which be the light to the ancient philosophers' search for meaning in life, so have inspired contemporary science interpretations. The ideas of Yunus Emre Philosophy not only form the basis of the social structure of seven centuries ago, but also inspire today's socio-cultural principles. In this article, what Yunus Emre Philosophy make us thinks by the candlelight of science and carried to different current scientific platforms. With the symbiotic partnership approach, the shadows of mind in the simplicity of the boundary conditions between sciences have been sharpened, and The support given by the subtleties of Yunus Emre Philosophy to today's globally sociocultural structuring has been evaluated.

Atıf Bilgisi / Reference Information

Altan, M. (2022). Bilimin Mum Işığında Yunus Emre Felsefesi. *Uluslararası Kültürel ve Sosyal Araştırmalar Dergisi (UKSAD)*, 8 (2), Kış, s. 53-65.

1. Introduction

Due to the 700th anniversary of his death, Yunus Emre was included in the 2021 commemoration program by UNESCO. He, while emphasizing the concepts of love of people, tolerance, brotherhood and peace in his poems, embraced all humanity without discriminating against religion, language and race. He became poet beyond his time bringing people together on a common ground with his philosophy built on the basis of universal human values. The synthesis of scientific approaches in literature, philosophy, theology and sociology constitutes an important platform for the interpretation of Yunus Emre's philosophy. In this article, comments made on this platform are examined in the candle light of contemporary science.

* DOI: 10.46442/intjcss.1058728

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2. Challenges Of The Period Yunus Emre's Alive

We realize that we are the children of very Big Bang, explosions, collisions, obligations, difficulties and bullying in terms of the macro universe we live in. We started the struggle for existence around a secondary star built on the remnants of a wild explosion of an end-of-life star. With the cooling of the star fragments left over from the collisions, we are fighting for survival as a secondary planet, with its booty moon, and winning the battle to stay in orbit. Although nature entered the process of calming down by finding its own balance, humanity could not calm down. Mankind is imprisoned in his world, which he turns on the axis of selfishness, in pursuit of her created gods in the corridors of his own ambitions, desires and mind. We talk about the difficulties of our lives by rebelling in every conversation. Within the framework of our own perception, our living conditions weared us out with inextricable problems in every period of our lives, but we must know, this reality, which we must accept, is unprivileged for all living things. In this process, we try to tolerate each other and even ourselves, and we are often ashamed of our humanity in the face of the events we encounter. Yunus Emre has given people spiritual peace with his philosophy that advises goodness, righteousness and good morals. Considering the elegance of his philosophical personality, it can be thought that his living conditions offer him a beautiful environment. However, his time was much more difficult than today's conditions.

The raids of the Manchurian gangs, destruction of the Crusades from the West, attacks of the Knights Templar, plunder of the Alamut Fedai Gangs constantly, caused to Anatolian people to suffer losses in every aspect, and made the people bored. In this period, when there was no state authority, there was no village that was not raided, plundered, and suffered material and moral damage. The gangs took their products, animals, children and women from the peasant families. People tried to live in fear of harm to their lives and property. The sectarian quarrels among the Anatolian people also eroded their own selves. This process, in which total chaos prevailed, the Mongols, who occupied Azerbaijan, Iran and Iraq, took every opportunity to seize the domination and riches of Anatolia with all their power. The people, condemned to heavy taxes, tried to live in poverty, unrest and insecurity. The groups, mostly Turkmens, who escaped from the Mongol oppression and spread in Eastern Anatolia, required the economic resources of the state to be shared by more people. When the mismanagement of those in power, abuses, corruption and injustices are added to this, the Seljuk State was mired in economic and social troubles. While the spiritual values and ideas that sprouted with the "Babai Revolt" combined other currents and influenced the faith movements in Anatolia for centuries, they fed the resentment of the Turkmens to the Seljuk dynasty (Peacock, 2015).

It seems that Yunus Emre, in Anatolia, where different religious polarizations were confusing, he lived in economic and political troubles, wars, rebellions, plunder and insecurity. Despite this, with admirable generosity, he tried to show the people the way to love, tolerance, virtue and the love of God. Yunus Emre Philosophy provided psychological support, encouragement and morale to people, provided social peace and laid the groundwork for the formation of a humane culture platform. He, in a way, wandered around Anatolia like the people's spiritual doctor, and sprinkled the seeds of love, tolerance, unity and solidarity in the hearts of people with his poems.

With philosophy of Yunus Emre, which should be adopted on a global scale, the integrity of the Anatolian people was built. If this philosophy could take place between the lines of whole human history, today's world map of humanity with conscience would be able very different.

3. Conscience Wich is Oppressed in The Shadow of Unscrupulous Reasons

"Love the creature, because of the creator" is his philosophical principle. The love of God brings with it the respect and love that should be given to his creations. It is completely against Yunus Emre Philosophy to give a humanistic meaning to the evil and oppression that people do to people, at the point where it is necessary to approach humans and other living things within the framework of religious, moral and social integrity rules.



We witness people harming each other for different worldly reasons. But, how persuasion that makes it reasonable to brutally slaughter even babies can imprison the human mind. The most striking example of this is the Nazi genocide during the second world war.

The conscientious approach on the basis of being human requires an effort to integrate one's self with other living things in empathetic framework. With this effort, a human feels compassion towards the living thing he is in contact with, interprets events with processes rather than results, and seeks solutions to problems. But, the dark side of human emerges as a result of suppressed the feelings of conscience.

The makes us human, abilities of speaking, thinking, reasoning and reaching conclusion, are based on the Frontal Cortex activities located at the front of our brain. In addition to the virtuous aspects of the human being, Frontal Cortex also can provides the activation of negative aspects. The Amygdala, the stress center of the brain, activates instantly and tries to curb negative thoughts and emotions. However, the constant stimulation of the Amygdala by the Frontal Cortex begins to blunt the braking mechanism after a while. When the interaction between them ceases to function, the Frontal Cortex could not respond to the Amygdala's stimuli. It closes itself to the necessities of humanist behavior such as virtue and conscience. For this reason, people can deceive those around them, tell all kinds of lies in order to direct the events in their favor. By bullying weak people, takes their property, honor and money, harms the self-values of the society and becomes trapped in the comfort of their own existence without realizing it. He makes very reasonable justifications and convinces himself that it is okay to do them, and even that he should. It is constantly triggered and motivated by negative emotions. After a while, with the dysfunction of the amygdala, he reaches the peak of his selfishness. Under the guidance of the dark side of his forebrain; and does not recognize any sociological, moral, legal, religious rules, and begins to see every detail of evil as a part of life (Banks, 2007).

The psychopathology of Hitler, who gave this motivation to his soldiers, and the origin of his persuasion and suggestion-oriented addressing ability have been the subject of many psychological researches (Bromberg, 1983). After the battle, it was seen that, in Nazi genocide is in lawsuits opening to the career owner scientists these people are extremely normal. They told what they do as if ordinary event, with their coolness. They explained that they took note of the persecution and torture they committed as if they were scientific experiments, and that they discussed statistical analysis and scientific conclusions. However, despite all the negativities of the period in which he lived, Yunus Emre won hearts with his philosophy of love, peace, tranquility and trust, and supported the socio-cultural structuring of the society.

4. The Realitylessness Of Existence On Our Planet

"Dressing with Flesh and bone" forms the backbone of Yunus Emre's philosophy. Integration with flesh and bone implies an earlier concept of existence. In its depths, it contains its existence before the beginning of its life on this planet and the longing to return to its first existence after the end of its life. The main point he emphasizes in his poems is that his existence before and after his existence on this planet is of the same nature, and the existence among them is a very short pause which is painful and requires patience.

Flesh and bone are expressions of refer to a material body. It is a union of earthly substances such as atoms, molecules, cells. Dressing up requires a physical material pattern that is entered later. This pattern is the human body (temporary being), and the one that enters it is the before-beginning (consciousness). The Yunus Emre Philosophy, which makes the body feel miserable, is make us thinked from different perspectives in the border conditions of many sub-departments of social and natural sciences. Existence for man has two attributes, physical and philosophical. Philosophical existence, spiritual and divine attribute component contents are important and prioritized for Yunus Emre. Even when he talks about material existence in his poems, he refers to the deep meaning of philosophical existence.

The continuity in the evolution of the universe is like the water of a river. Events have stuck in every presentness of time, and there are always exists as if a frozen river, in deep of space-time (Greene, 1999). Unlike Heraclitus' philosophy which we cannot wash twice in the same location of river; in the course of

life, in every present of time, human experiences the things chooses among them in order. It is not the river that flows, but our acts of experiencing what will be lived sequentially. There is only one permission for every one moment to be experienced.

In this thought, which supports the acceptance of the monotheistic religions that "God is independent of time and space, is eternal"; the experiences of all beings are presented to successive with experiences as fixed in their own present. We define life which is flowing doomed to time as event that we experience for each now, and then the process of experiencing each subsequent event. In this process, "God, whom we have internalized closer than our jugular vein" is in all our present times regardless of time.

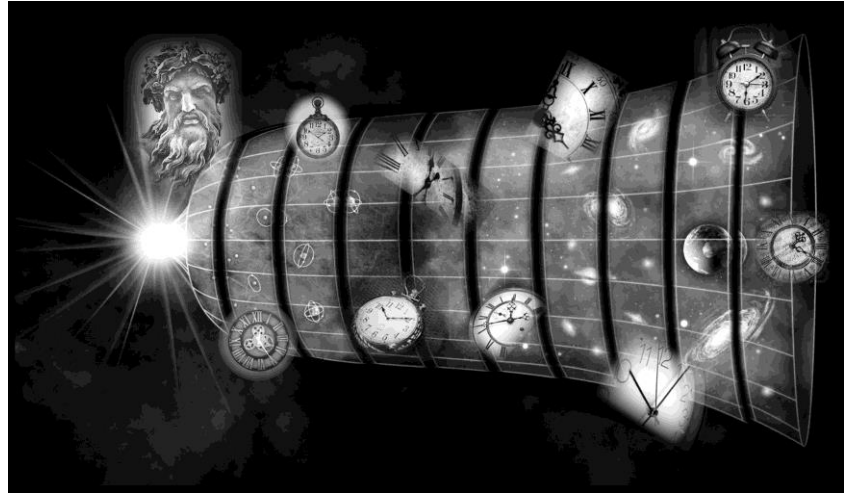


Figure 1. Frozen time river

There are always good and bad experiences in every now of the frozen river of time, and people live what they are bestowed with their choices (the fate). It is already that, the decision has been made on what to will be lived for each chosen present-time. Each choice creates its own universe and human live the universe they choose (Figure 1).

Yunus Emre grieves for people who are not aware of the fact that human left the planet and required returned to his original existence after living on this planet with the love of God, when their obligations are exhausted. In his poems, he emphasizes that the end of these people can be nothing but a material and bodily decay, only a pitiful loss of existence.

5. Continuity Of Each Now In Time

Yunus Emre's discourses about time, make us think about the nature of the focal points that contemporary science can reach. To interpret the real nature of time, it is necessary to focus on the behavior of light. As a rule, the velocity vector in 4-dimensional coordinate system been the vectorial sum of the projection compounant vectors in the axes. The limit speed value in the universe accepted that be the speed of light. The sum of the component velocity vectors in the xyz-coordinate dimensions and in the time dimension must equal the speed of light. An increase in the component velocity vector in any axis requires a decrease in the values of the component velocity vectors on the other axis to maintain the value of the total resultant velocity vector. The vectorial sum of four velocity component must be the vector of light velocity. If we can increase the velocity in only one axis to the speed of light, the velocity components in the other three axes will be zero. At this stage, If we can reach the velocity of light, time stops and we get out of the form of matter and show energy character. Different spaces of all present-times also gain meaning in this perspective. Spaces where time slows down or even stops are envisaged as alternative spaces for our existence before we were born and after we die. We need syntheses between the boundary conditions of our perception of meaning for existential spaces, and completely different scientific depths that hide the different dynamics of nature.

6. Effort To Exist

Making sense of existence has become the the goal of philosophy of science that extends from the atom, subatomic, multidimensionality, twisted passages, strings and beyond at the borders of science, in every



age. Due to quantum mechanical principles, subatomic particles with the same quantum numbers cannot exist in the same system.

Thanks to this principle, we can stay in the material structure and interact with other substances, and preserve our integrity without destroying our attributes. Otherwise, we could be at the same coordinate in the universe at the same time but would lose our material attribute. It would be a very different universe where every substance made up of these atoms could pass through each other. Nothing could interact with another. The ability to exist and interact with other beings arises within the framework of this quantum mechanical principle in the atom. Although we try to focus on the quantum mechanical content of the smallest basic building block in order to understand and make sense of existence, we cannot determine all of its attributes at the same time. When we try to learn its speed, the uncertainty in position information increases.

As soon as we know exactly where it is, we lose the full true value of its speed. When we try to understand nature, knowledge needs to be conveyed to us. At this stage, when the data of the object is separated from the object, the object differentiates until the information is received due to the quantum mechanical change in the object. When the information arrives, the object is neither in its real place, nor in its real time, nor in its real structural attribute (Heisenberg, 1925).

The interaction at each coordinate changes its own attributes in its own way. The universe we perceive in our own special ourselves is not real, actually. In the effort to understand the universe of which we are a part, the information we can perceive with our sense organs can not fully reflect the attributes of the real dynamics of nature. If our eyes could evolve sensitive to X or Gamma rays, we could have a much different level of knowledge about the universe. We are trying to perceive the universe in a very small range. Fortunately, upper atmospheric satellite telescopes give scientists the ability to acquire data in much wider ranges of the electromagnetic spectrum and at higher resolutions, laying the groundwork for expanding our knowledge of the universe. But we do not yet know the universe we live in with its real attributes. This in turn gives restlessness and insecurity to human nature. However, every scientific step that enables us to recognize and understand brings happiness to humanity.

7. News From Far Universes

Yunus Emre's verses, which reflect the feelings of human existence in the places they are in before and after they came to the world, also trigger curiosity about other distant places.

Without organ transplantation, you cannot have a component in your body that is older than your age, and similarly, the age of objects in the universe also should not be older than the age of the universe. But, the star named "Methuselah", defying this principle. The estimated age exits little more than the age of the universe. The main interesting that, although it has existed for a time close to the universe age, according to spectrum analysis, the content of elements includes highly Hydrogen and Helium, contrary to the characteristic of old stars.

While the ideas that argue that the universe we live in is a pocket universe and that we exist in one of the many baby universes connected to the main universe, are discussed on scientific platforms; Hawking's 'The Theory of Baby Universes' fiction-scientific approach continues to confuse (Hawking, 1994). The age of light coming from different pocket universes or main universe will also be different from the age of our universe. Although these ideas have not yet become much more convincingly clear, supported by the results of experimental and observational studies, they arouse excitement about sharing information with light between different distant places of the universe. The idea of existence with different qualities in different distant places is on the agenda as extraordinary ideas both in science, philosophy and mysticism.

According to philosophy of science; the universe we live in need to be recognized, defined on large and small scales, and given meaning. This process goes back to the beginning of the universe. The Big Bang idea, which developed within the framework of the theoretical and observational studies of scientists such

as Freadman (Friedmann, 1924), Limatre (Lemaître, 1931), Hubble (Hubble, 1931) and Einstein, was the sprout of important ideas about the beginning of the universe.

Afterwards, many ideas, different universe and existence ideas were discussed on scientific platforms. Hugh Everett gave the theory of multiple universes (Hugh, 1973), and his later studies inspired the development of different universe models. Paul Steinhaed and Neil Turok, who presented their studies on membrane universe models at the theoretical physics and cosmology congress held in Sweden in 2003; they argued that the universes have a multidimensional membrane-like structure, and when they come into contact with each other they are exposed to new Big Bang effects (Steinhardt, 2003). Finally, Roger Penrose, a stakeholder of the 2021 Nobel Prize in Physics, emphasized that the universe continues to exist in a continuous cycle by bringing a new dimension to cosmological approaches regarding the beginning and end of the universe with her studies on cyclical universe models (Penrose, 2006).

8. Before The Day Without Yesterday

In Yunus Emre Philosophy, consciousness comes before the body in order of the two attribute components (body and consciousness) of the concept of being for man. The basic attribute of being is consciousness. It menas that human existed also before the universe. The best example of this idea, which is as old as the history of philosophy is Plato's Paidon dialogue, in which the concept known as Anamnesis is masterfully handled (Müller, 2011). Plato argues that in the world of ideas, the concept of "consciousness", which consists of mind/will/desire components, descends to the world, and that the source of human goodness and evil must be sought in the spirit itself.

Plato regards the learning process of human as just matter of remembering. Before birth, man is equipped with knowledge on the divine platform. At the stage of birth, this information is forgotten. The first question that comes to mind is why aren't all people at the same level of wisdom and virtue? Why everyone doesn't remember the information in their lifetime that was encoded in their consciousness before they were born? Defended answer: Only virtuous people who are capable of defending and owning knowledge while living can remember this knowledge.

The Indian Srinivasa Ramanujan can be cited as the best example of the "philosophy of anamnesis". According to the Brahman belief to which he belongs; human lives as a world spirit, which is both immanent and transcendent, and is regarded as the ultimate and highest goal of merging with the highest being in both the universe and himself. Evaluating the results of her work with Hardy at Cambridge University, her colleagues found it difficult to accept skills of Ramanujan, who had never studied mathematics, to solve advanced complex mathematical problems and develop techniques far ahead of her time. Advanced mathematical wisdom was encoded in him before he was born, and after he was born, he was able to remember this knowledge and transfer it to others, as he was able to defend it.

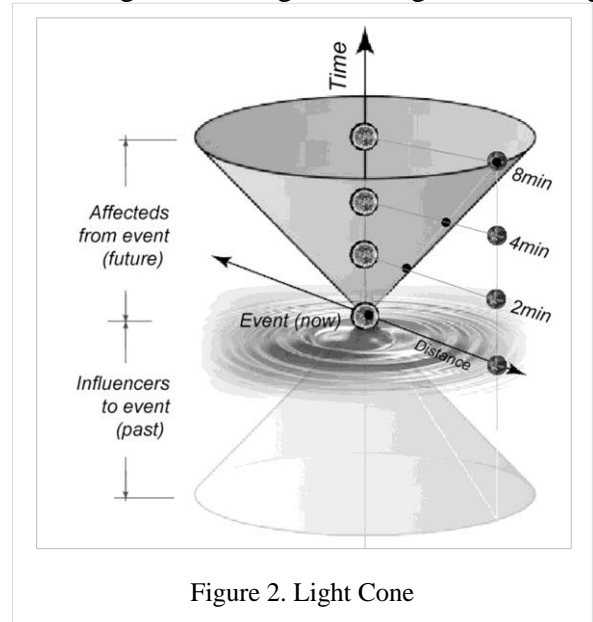


Figure 2. Light Cone

As it was mentioned in Yunus Emre philosophy also; while the physical universe does not exist, human maintains his divine existence in the presence of God, makes one think about the anamnesis philosophical approach. However, remembering in the anamnesis approach, which we describe as learning, is proof that we deserve to own the information that was encoded in our existence before we were born and that we noticed instantly while we were living. Yunus Emre, who includes the magnificence of creation in her poems, made the material harmony of the universe felt between the lines. As a specific to the depth of his poems; in existence lies the necessity of platform which belongs to both divine and material. What the lines

suggest about the beginning illuminates even the candlelight of science. If the universe is expanding at an increasing rate today, it must have started from some point in the past.

For example, if we consider that a particle of light (photon) leaving the sun reaches the earth in 8 minutes; we can draw a wavefront every single minute. The combination of these rings in different viewing directions creates a cone shape (Figure 2). The inside of this cone represents the physical universe we live in. Because the ring edge in each minute defines the farthest distance light can travel. Just outside the ring boundary for every minute (although at the same time) cannot be defined as our universe. This out of very edge, only makes sense when traveling at a speed greater than the speed of light (outside the cone of light). The idea that spaces of different qualities (in the form of energy) can be defined at the same coordinate and time, also occupies the minds.

While the limit speed occupies to the minds; a particle discussed in scientific platforms challenges this idea, arguing that the speed of light is a barrier level. If we consider 3 levels (A: upper, C: medium (represents the speed of light) and B: lower) representing speeds as a simple fiction; Let's fix a spring at one end of each of the levels A and B (they can extend up to the C level at most). To reach level C, when we force the spring in A to pull down and the spring in B up, they will try to return to the level where the ends were they were fixed, and under no circumstances will they be able to reach level C. Level A represents the space for movements far above the speed of light, and Level B represents the space for movements at the speed values we can perceive. Just as we try to reach the speed of light (level C), we getting struggled and could not reach it; movements in A-level spaces also have difficulty descending to the speed of light, and eventually they cannot descend and have to go up to A-level which upto higher than light speeds again (Figure 3). Naturally, we can interpret the speed of light as a barrier level that we can never get out of. Tachyons, on the other hand, are theoretical particles that cannot go down to the speed of light but can exist at very high speeds. Although they are forced to descend to the speed of light, they cannot descend, and return to the A-level spaces, which can be active at much higher speeds.

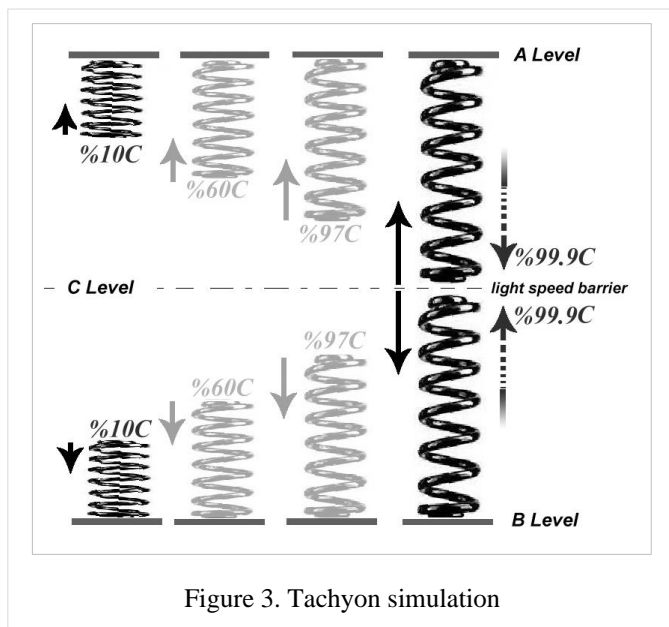


Figure 3. Tachyon simulation

Predictions on the existence of spaces of different nature make us all think in Yunus Emre Philosophy, as in many philosophical approaches. The priority of consciousness over bodily existence and the necessity of platform for these levels make thinking these physical and mathematical approaches (Feinberg, 1967).

In the singularity at the beginning of the universe, which is predicted to expand, it is predicted that the density is maximum, and this density decreases with the increasing volume as time expands. At different stages of this process, phase transitions occur and extra energy is released. As an alternative to different living platforms, this extra energy that comes out contributes to the structure of the universe in favor of matter, nourishes the structuring, the formation and evolution of living things. The question of whether the existence of a divine power that sets rules and controls the process for the structure and functioning of the universe accompanies this philosophical approach (Krauss, 2012).

In nature, photon formation from particle interactions and particle formation from photon-containing interactions can occur. While the particle and photon movements are characterized in the Feynman diagrams (Feynman, 1985), the existence of each component in the xyz coordinate axes, where we can express the mobility, in the negative and positive directions can be considered logical. However, in classical physics, the movement on the vertical axis characterized by time; within the framework of the causality principle and the necessity of increasing entropy; Although it can only be interpreted in the positive



direction, when we approach it from a quantum mechanical point of view; It has been proven that the particles and photon can also have mobility in the negative direction of the time axis.

The negative direction movement in the time axis makes a concept in the sense of going back in time natural and acceptable, and the realities of the universe we live in that we cannot perceive emerge. The point that should not be overlooked is that these distances are at the subatomic level. First of all, if subatomic particles such as electrons and positrons can form photons in a very small slice of time, and if the photon can interact with the particle it first encounters and form new particles, no coordinate of the universe can be empty. There is no such place as a void. At the subatomic particle level, the entire universe is in the interaction continuously, in the process of photon and particle formation-change.

If particles such as photons and electrons can travel in the negative direction in time in Feynman diagrams, a particle can interact with a particle (or photon) in the past and produce a photon (or particle). This thought creates many question marks in people's minds, both scientifically and spiritually. A photon produced can interact with another particle in the present or the past to produce a new photon or particle. This process, which is back to the beginning of the universe, proves that interactions take place constantly between the present and the past.

According to the principles of quantum mechanics, the existence of a particle in the universe is defined as a wave function that characterizes its probability of being found. When we're not looking, the particle can be anywhere. As soon as we look at it, the strongest alternative among many possibilities becomes active and the wave function collapses, and the particle appears there as a object entity. It doesn't exist if you don't look. It is there when you look. For the particle to exist quantum mechanically, someone has to look after it. As a result of the latest scientific studies, it has been calculated that the universe has existed for approximately 13,787 billion years. "Was God, or a reason was needed for the existence of the Universe?"; as a possible answer to this approach; for 13,787 billion years, someone has been looking at it constantly for the existence of the universe. If someone weren't looking, the entire universe would wait until someone looked at, as a wave function, characterizing a probability of being found. Maybe the history of the universe was in a form of energy. Since energy is a concept that is directly proportional to frequency and inversely proportional to wavelength, the wavelength before it is looked at determines the energy of the universe as inversely proportionally. Considering the dimensions and matter capacity of today's universe, it can be thought that this wave function has a very small wavelength and a very large energy. When viewed, the wave function that characterizes the energy form may have collapsed, creating a platform entity in favor of matter, in accordance with Einstein's most famous formula. That beginning moment, as an ironically, was not in big, nor did it bang. Apparently, because someone looked at it at that moment, wave function collapsed. It was just an imbalance in the energy-matter equation in favor of matter. Afterwards, we can only search and question the being within the limits of helplessness, we try to enrich our scientific infrastructure as closely as possible to reality and truth, but before that, it is always a matter of curiosity and a question mark.

When ideas first started to germinate; At the time when Hubble proved that the universe was expanding with reference to the distance between galaxies with telescope observations, and Einstein updated his equations by saying "it was my biggest mistake"; When describing the expansion, the example of the expanding ring of waves formed by a stone thrown into the water is given. As the rings widen one after the other, we can tell when the stone was thrown by counting backwards from any of them. But his comments reach very dangerous proportions. What was there before the stone was thrown? What happened when it was thrown? Much more dangerous question is "Who threw the Stone?". Questioning God always makes believers uneasy; that the first command in monotheistic religions is "Read"; Although it is commanded to question, think, reason, be conscious of yourself and the place you live in, knowledge and virtue. The necessity of this command is reflected in Yunus Emre Philosophy, and it is emphasized that the wisdom of the heavenly religions should be known and it should be read for this purpose.

9. Twin Seeds Of Separate Universes

The most useful method for sharing information is light. If we can understand the character and nature of light, we can understand the universe, its components, man and humanity. Thomas Young, a medical student who focuses on the details of the ability to see, which we need to communicate; In the late 1700s, when he concentrated his studies on human color perception; It laid the groundwork for the burgeoning early ideas of one of the great mysteries of quantum mechanics, while revealing the wave character of light (Young, 1804). Years later, Einstein, in his Nobel Prize-winning article, when she examined the details of the photoelectric effect, proved that even though light has no mass, it also behaves as a particle (Einstein, 1905). Joseph John Thomson received a Nobel Prize in 1906 for their work on the particle character, and in 1937 his son George Paget Thomson for their work on the wave character. These works were honored, were the first proofs that light has both wave and particle character. But in the details, when experiments were carried out with electrons, results we find it hard to believe were encountered.

Thanks to these studies, the wave-particle duality of light took its place among the fundamental laws of physics. When Louis de Broglie suggested that the human body is also accompanied by a wave function, our comments on the existence of objects as particles and showing a wave function attribute from a quantum mechanical point of view shed light on our effort to understand what nature has in mind (Broglie, 1923).

While living on the planet with our material nature; the fact that we also have an (energy) wave function character is proof that we have dual features. When we lose the substance quality (the moment of death); It is intriguing and chilling thoughts that we will continue on a different and much longer journey with our energy function accompanying our body. Accompanying the poor material life on our planet which despised as a temporary pause, the divine energy of divine presence are make one feel in Yunus Emre poems as the continuity of dual existence.

This attribute of philosophical duality in the actual behavior of nature surprises scientists in the details of many experimental and observational studies. When photons and electrons are passed through a single slit plate, they show particle properties, and when they pass through a double slit plate, they show wave properties. In order to understand this behavior of nature; When we place a camera in the experiment, the light passing through the double slit, shows the property of particles. Placing the camera in front of or behind the

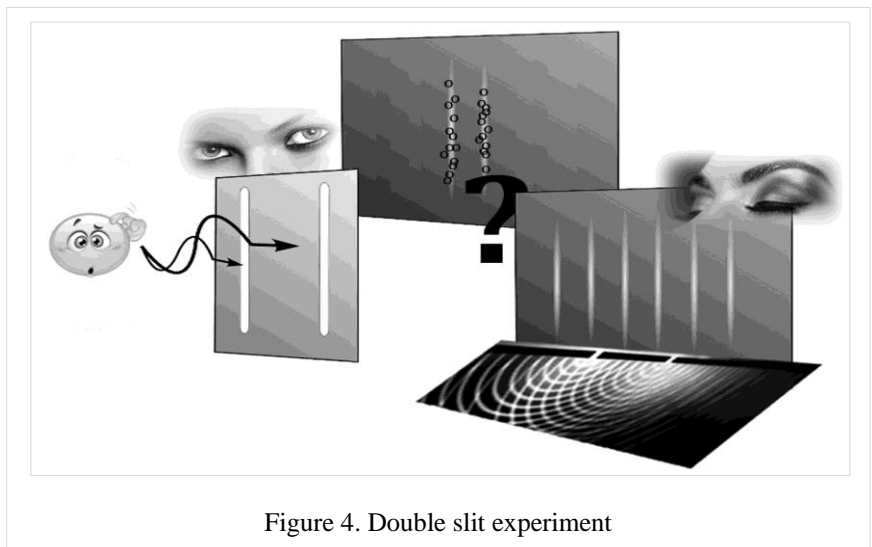


Figure 4. Double slit experiment

license plate does not change the result. Light or electrons behave like particles when the camera is on and waves when it is off. It is as if they realize that they are being watched and change their character. In Yunus Emre Philosophy, human has a dual nature of materialist and divine. Different experiences express one of these dual characteristics of human beings and shape our reaction to events and our character (Figure 4).

10. Inseparability On Attributes

When you are not observing, there is no point in talking about reality in the universe, "quantum systems", that is, particles such as electrons and photons, have all possible properties at the same time. According to the Quantum Superposition Theory, when a particle is not observed, it can have all the properties it could have at the same time. Because every particle is swimming in sea of possibilities, observation changes everything. When we are not looking, every particle exists with its wave property. When we look at it, the



probability function of being found collapses and it shows the particle feature at that moment. For this, a sensor needs to detect it. A piece of information must leave the object and come to the sensor. From that moment on, the object loses its instantaneous reality that information carries. As soon as the information reaches the detector, the object is now of a different attribute.

Einstein, brought the falsity of the "Quantum Entanglement" feature to the scientific discussion platform in order to open up for discussion the principles of Quantum Physics that he criticized. Two particles that are close enough to each other and of opposite character are in superposition regardless of distance. When we measure any of the particles, as example we know that if the direction we determine is clockwise, the other must rotate counterclockwise. The most interesting feature of the nature of the universe is that information can be carried between these entangled particles, regardless of distance. Information change about a feature of one is transmitted instantly to the other. But this is contrary to Einstein's theory of relativity. If we can send one of the entangled particles to the other end of the universe, information will be traveling faster than the speed of light. Opposing this conclusion, Einstein published an article with Boris Podolsky and Nathan Rosen in 1935 to prove and criticize the event (EPR Paradox).

While the theory of relativity argued that even reaching the speed of light was impossible, according to quantum mechanics, it was predicted that information could be transported much faster than light with the principle of entanglement. Einstein admitted that there was entanglement between particles, but he did not accept that information transfer between them could be faster than the speed of light. Niels Bohr, on the other hand, organized the quantum mechanics team as the "Copenhagen Interpretation" and started a war with the EPR Paradox (Einstein, 1935).

During the ongoing discussions, John Stewart Bell (Bell, 1964) proved that the entanglement property is real with theoretical predictions, John Clauser (Clauser, 1978) and Alain Aspect (Aspect, 1981) with experimental findings. The formulas of quantum mechanics were consistent, Einstein was wrong. Quantum Entanglement was real. When we measured one of the quantum particles, whatever the distance between them was affecting the other. They were communicating faster than light. This result proved the accuracy of quantum physics and enabled us to describe the universe in higher resolution, on a much more realistic scale, and to understand the universe, living things and humanity more deeply. Anton Zeilinger produced two entangled photons in his observatory laboratory in the Canary Islands (Zeilinger, 2007). He kept one of these photons at the observatory on the island of La Palma and sent the other with the help of a laser to the observatory on the island of Tenerife, 143km away. It then produced a third photon and beamed it to the Tenerife observatory. One copy of the photon, whose quantum information was extracted in La Palmada, was reconstructed in Tenerife on quantum mechanical platform. Philosophically; The ability to transfer the quantum information of the brain, where human consciousness and memories are recorded, to distant places means transferring humans.

Human stores and preserves consciousness, experiences, memories, feelings and all similar abstract values in his brain. In fact, if the brain loses its function as a result of damage, it ceases to be a human and continues its bodily existence only as a mass of organisms. The real human being is the brain. The physical attributes of the brain (including protein, fat, salt, sugar, etc.) have extremely simple material structural attributes. However, what enables him to carry out his abstract activities (emotion, feeling, prejudice, etc.) is based on electrical interactions, in brain. The reception of electrical signals, their reading, processing, conversion into chemical information, and their storage in memory by transforming them into meaningful information that consciousness can detect are supported by the system consisting of electrical signals existing in the brain itself.

When coded completely by reducing them to subatomic particles, information can be transmitted instantaneously, independent of space and distance. When it reaches the target, the codes containing these quantum states can be transferred to the subatomic particles of the same nature in the target. There is no point in transplanting the substance that makes up the brain. It is enough to convey the quantum states of the subatomic particles that compose it. The attributes of the required atoms are the same everywhere in

the universe. When a person dies, his physical body loses its function. Since it is not material, it will be independent of the speed of light constraint. Consciousness, records of life experiences, human attributes that are freed from their bodies can continue their struggle for existence in different places; Just like Yunus Emre Philosophy. The fact that consciousness can be moved to different places independently of its body makes one think of Yunus Emre's philosophy of "dressing with Flesh and Bone".

Masses tell the fabric of space-time how to take shape, and space-time topography tells masses (and light) how to move. If the light from a star is traveling towards the earth; if the corpse between us encounters large gravitational foci such as a star or galaxy assemblage, one of the entangled photons may pass (for example) from the right side, of the other from the left side (as in the double slit experiment) and then merges and continues come to us. At this stage, the direction of movement of the photons can change with the effect of the gravitational lens. While the photon passing from the left directs its direction back to the earth; If the photon passing on the right is affected by another gravitational attraction on the path and deviates from the direction of motion, there is a delay in the time of its reach to earth due to the variability in its direction. When the entangled photon passing from the left side reaches the earth, the other photon passing from the right side is still on its way (Figure 5). As soon as we make a quantum mechanical change on the photon that reaches the world first, the entangled photon will be instantly affected and change its character, regardless of how far it is. There are very exciting comments on this process. For example, Before the photon reaches us, we change its character by interfering with the photon it is entangled with. We challenge the causality principle of nature. After the event happens, we change the before, even the beginning of the event. With the philosophical approach, we can change the beginning after the event is over. For example, we can start the experiment today and finish it yesterday (we can set off today, and can arrive yesterday..?).

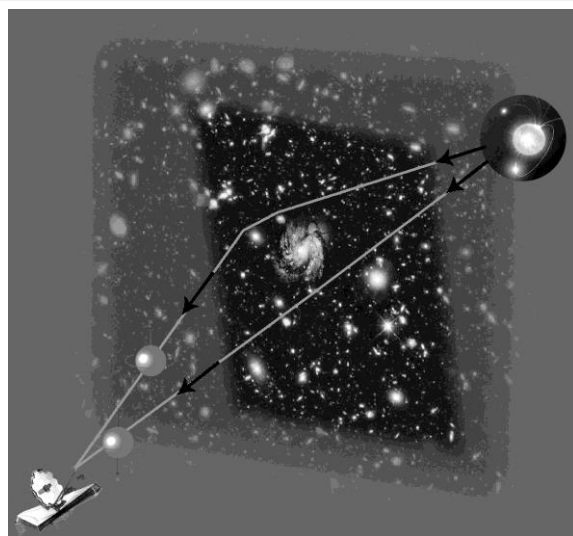


Figure 5. Path difference of entangled photons

11. Our Living Is To Approach To Death With Every Our Experiences

Socrates realizes that those who appear wise are ignorant who think they are wise, and that being aware of their own ignorance makes them privileged and wiser than others. The only thing he knows is that he knows nothing, making him a true wise philosopher. True philosopher is self-aware, and like Yunus Emre, she can get rid of her temporary desires and focus on the real purpose of existence. Yunus Emre felt in his every breath the finitude of the world, the transience of life in this place, and the alienation of tangible bodily existence to the transcendent self of human. He despised the worldly life and preferred to get rid of the passions of finite objects. The most important and permanent thing is the divine presence in God's presence in the time before the existence of the body. The longing to return to this being upon death makes it possible to some extent

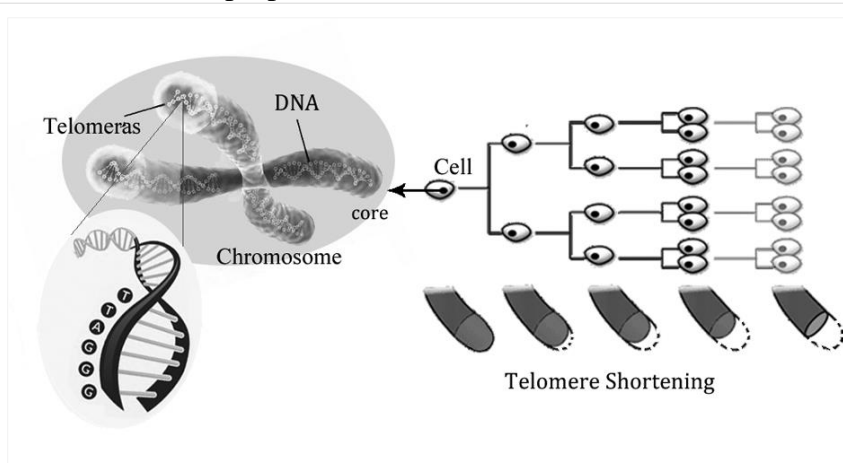


Figure 6. Telomere shortening



to bear the transience, suffering and uneasiness of this world. The physical bodily end on earth is frightening for every living thing. In monotheistic religions, it is emphasized that every living thing will taste death. Actually, every living thing, from the very first stage of its existence, experiences death, continuously. When this process is viewed with the candlelight of modern science, it has been proven that every living thing, from the moment it is born, goes through the process of extinction (dying) gradually and without stopping. Telomeres play a role in completing the last parts of DNA (Figure 6). Telomeres, which are specialized DNA repeat sequences at the ends of the chromosomes, decrease in certain amounts at the end of each division, causing aging (Blackburn, 1984). We are brought to this planet without our will or desire, we are instinctively programmed to survive, we are conscious that we will surely die, but we live as if we will never die. In this process, our vitality is in the process of constantly struggling with entropy, we are imprisoned in our physical body and we are desperately experiencing the progress of the death process with each passing second. Yunus Emre Philosophy make us thinks that places' before the time human was born and after the time human was died are the same universe and that the temporary time between them should be lived with patience and longing to meet God in the world.

12. Concluding thoughts

While Yunus Emre's poems can go deep into many sociological concepts, they also inspire the focal points of the study subjects of science. In his philosophy, logic of existence in the universes in which human existed before he was born and will go after death makes us think both scientifically and philosophically. Platforms structured in mobility at the scale of light speed, which are very different from the physical conditions of the world we live in, are modelled within the limits of current science. The mega-scale universe of the theory of relativity and the subatomic-scale universe of the principles of quantum physics are defined base platforms of different places where humans can be found. Within the scope of this article, according to ancient philosophical thought the physical conditions of places where existence for dual character of human (consciousness and materialist body) could be found are envisaged in the boundary conditions of science.

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