

## Theological Cosmological Concept of the Purpose of Perfect Person

EG Bryndin\*

*Social Movement & Quot; Moral Russia.*

\*Corresponding author

EG Bryndin, Social Movement & Quot; Moral Russia.

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### Abstract

According to the Bible, Eternal Nature, the dark abyss, and the changeable Nature constitute the Infinite Cosmos (Genesis 1:1). Eternal Nature consists of the Perfect Creative Substance and the water element. The perfect Creative Substance conquers the dark abyss, revitalizing the water element. The perfect Creation Substance expands the space of the variable Nature in Infinite Space. The perfect Creative Substance is called God. God is a good basis for harmony. He works for the benefit of the Harmony of the changeable Nature. God created a hierarchy of angels and man in a spiritual image and likeness. God has armies of bright angels. People are taller than angels. "Jesus answered them: Is it not written in your law: I said, you are gods (John 10:34). I said, you are gods, and the sons of the Most High are all of you (Psalm 81:6). " The arguments of the highest dignity of man before angels are: the embodiment of the Son of God into human nature; He made his son the heir to everything through which he created forever; The son sat on the Odessa throne of greatness at an altitude; about man it is said that he was created in the image and likeness of God (Genesis 1, 26). Man is capable of creativity, and the most diverse, and needlework, and intellectual, and musical, and poetic, which is related to him with the First Form - God, the Creator. I betrayed my heart in order to examine and experience wisdom everything that is done under heaven: this difficult occupation God gave the sons of men to exercise in him (Ecclesiastes 1:13). The works of the Lord are great; they are eager for all who love them (Psalm 110:2). After the general resurrection, the Creator will form a creative human society for cosmological service. For to the man who is good before him, he gives wisdom and knowledge and joy (Ecclesiastes 2:26).

**Keywords:** Cosmological Genesis, Theological Concept, Wisdom, Perfect Man, Heavenly Creation.

### Introduction

Theology and cosmology have a common problem field within which their interaction is possible. The task of the researcher is not only to interpret this interaction, but also to find options for its possible mechanisms [1-12]. F. Bacon wrote that God "gave us two books: the book of Scripture, which reveals the will of God, and then the book of nature, revealing his work. Of these two books, the second is, as it were, the key to the first "and makes us turn to thinking about divine creativity, which is clearly captured on the stone of its creatures. The 19th-century Russian Theologian Archbishop Filaret of Chernigov (Gumilevsky) places on the theologian the obligation to monitor the development of natural sciences and find thorough recent studies that agree with the testimony of the book of Revelation. The principles of order in the universe are not very different from what a religious person means by God. Academician A.D. Saharov, who creates cosmological models with the turn of the arrow of time, imagined the Universe and human life with a meaningful beginning, lying outside matter and scientific knowledge.

Genesis is the spiritual essence of the Universe. The foundation and foundation of being is God's wisdom. Wisdom consists of three spiritual hypostases. The Creator is the Father God. At first there was Wisdom, and Wisdom was God, and Wisdom was God

the Father. God is the Son who enlightens God's Word. And the Word became flesh and dwelt with us, full of grace and truth, and we saw his glory (Enlightening hypostasis), glory as the Only Native from the Father (John 1:14). There was a true Light (God's Word) that enlightens every person coming into the world (John 1:9). The spiritual communicative hypostasis is the Holy Spirit. And the one uniting with the Lord is one spirit with the Lord (1 Corinthians 6:17).

God, the universe, the beginning, Nature, the law belongs to both the semantic space of cosmology and the space of theology. The Bible teaches us how to ascend to heaven. The theory of relativity that arose at the beginning of the 20th century, which became the natural scientific basis of cosmology, contains external prints of celestial light. In modern cosmology, the theology of light is associated with relict radiation by the oldest type of light, electromagnetic waves that arose in the early Universe. As Ecclesiastes states: "It was already in the centuries before us" (Eck. 1:10).

The question, "why does the universe exist?" admits of answers from traditional religions as well as from contemporary cosmological theories. However, according to Bede Rundle, neither of these answers are needed, for philosophical analysis is sufficient to prove the existence of a physical universe. While some claim that

the scientific answer has superseded all theological answers, others claim that the scientific answer reinforces the claim that God created the universe. Indeed, the story of the interaction between scientific cosmology and theology is by no means a simple tale of a better theory replacing an inferior; nor a simple tale of the convergence of diverse sources of knowledge. A naive or ideological reading of twentieth century cosmology might count big bang cosmology as providing new support for theism, and alternatives such as steady-state cosmology as atheistic backlashes. (And of course, the work of apologists such as W.L. Craig lends credence to this sort of picture.) But such a view misses many nuances, both in the historical record, as well as in the logical structure of these issues. Contemporary cosmology is fascinating precisely because it has such intricate logical relations with traditional metaphysical and theological issues.

### **God is the Beginning of Being and the Source of Life**

The beginning of being cannot be "nothing." If the beginning of being is nothing, then there will be no being. The beginning of being is a constant entity like its foundation. Since there is being, that is the Creator. God is the Creator. God revealed his permanent nature to mankind in the Bible and the Qur'an. No one has ever seen God (the Word); The only born Son in the bowels of Otchem, He revealed (John 1:18). At first, God had the Word and the Word, and God had the Word (John 1:1). That is, translated from Greek: "At first there was Wisdom and Wisdom was God, and Wisdom was God. God's Wisdom is the beginning and foundation of being. Wisdom requires nothing. It affirms the laws of being and is the source of life.

By wisdom, God created life in himself and universal life. Just as the Father has life in Himself, so the Son has given life in Himself (John 5:26). Everything through Him began to be, and without Him nothing began to be that began to be (John 1:3). With wisdom Jehovah founded the earth, the heavens were approved by reason (Proverbs 3:19). Divine Wisdom is an eternal viable entity.

Man is created in the image and likeness of God. He has consciousness with discrete thinking. Human consciousness forms, accepts and asserts its existence with temporary viable constants. In the Scriptures, God reveals to man the eternal viable existence of him.

Human consciousness is in a state of cognition. He has questions about the divine essence. Divine wisdom, as the beginning of being, is accepted by man by faith, as God discovered himself in the holy scripture.

The Creator is in a state of spiritual coordination by governing his laws of the created Universe with Wisdom. He guides our consciousness by God's word to eternal, viable, permanent existence. God's word of scripture in our minds is a prototype of the eternal viable permanent existence of Wisdom. Feeding consciousness with God's word of holy scripture will form the prototype of the eternal viable permanent existence of Wisdom.

### **God's Cosmological Purpose of Humans Recognition of God and Creation of Man**

Science, according to Christian scholars, is a form of worship of God through a reverent study of His creation. James Clerc Maxwell, the Scottish physicist of the 19th century who formulated

the well-known equations defining electromagnetic oscillations and called now his name over a door of Kavendishsky Laboratory in Cambridge placed the Psalm 112:3 "The Lord's great cause, a desired for all loving it" Frances Bacon (1561-1626), the conventional father of a modern scientific method considered that God opened himself in the Bible.

People gained science because scientists assumed the existence of a Law Governing Nature and believed in establishing this Law. Such scientists include Johann Kepler (1571-1630) - mechanics of celestial bodies, Blaise Pascal (1623-1691) - hydrostatics, Robert Boyle (1627-1691) - chemistry, Isaac Newton (1642-1727) - mathematics, Michael Faraday (1791-1867) – magnetet.

Einstein said: "Science without religion is limping, and religion without science is blind." The Oxford philosopher Richard Swinburne points out that the very success of science in demonstrating the order of nature surrounding us gives us reason to believe in the cause of this order itself. The mathematician and philosopher William Dembaki, in work "A Conclusion Built on the Idea of Design," argues that the origin of information suggests a reasonable source from which the idea comes. "By faith we know that the ages are arranged by the word of God, so that from the invisible came the visible (Hebrews 11:3)."

The historical evidence of the Apostles, Saints, Christians and their spiritual experience confirm the existence of God.

The following scientific facts show that God created man. Firstly, scientists still fail to obtain an organic substance from an inorganic substance. Secondly, the existence of the Universe is carried out according to laws that could not arise in the process of self-organization. Thirdly, French anthropologists found the skeleton of a perfect man who is six million years old before the new era, this shows that man did not come from a monkey [13].

### **Christian Human Transition to Cosmological Purpose**

The mankind characterizes and distinguishes from all other lifeless and wildlife consciousness therefore to understand the place of mankind in the system of the movement of the Universe, his space purpose is impossible, without understanding a being of consciousness as cosmological phenomenon. Our unique option of consciousness which is inherent only in mankind can be defined as the anthropic consciousness which is private option of consciousness in the Universe. It is important that each option of consciousness in the Universe is always formed unique and only for this reason any option of consciousness is capable to participate in this unique identity in the movement of development of the Universe.

Consciousness-is the procedural system which is characterized by dynamic hierarchical processes which is capable to develop the purposes and technologies of transformation of the surrounding nature. Unlike to conscious mentality, consciousness is characterized by noumenalny perception and modeling of the surrounding nature that allows him to solve problems of purposeful transformation of this nature. This purposeful transformation of the surrounding nature realized in development of the consciousness and development of this transformation allows consciousness to create the technogenic (artificial) nature finally hierarchically metaconscious level which is characterized by dynamic processes. In the

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evolutionary movement of the Universe it is possible to create the nature of metaconscious level only on a basis and by means of development of the nature of conscious level, as makes purpose of consciousness in the Universe.

According to specifics of properties of consciousness to them the technogenic nature — in our case the metaanthropic nature which at the beginning is under construction lifeless level, then — live, afterwards-conscious, and then and metaconscious level is created and develops (by purposeful transformation of the surrounding nature).

The cosmological value (axionality) of any consciousness (including our anthropological consciousness) is determined by its ability to build an axionic metasconscious nature. The higher the axionality of the meta-consciousness created by consciousness, the higher its own competitive cosmological value and the higher the reliability of preserving this consciousness in the evolutionary movement of the Universe.

The cosmological purpose of any nature of a conscious level, including humanity, is to create the nature of the hierarchically next metasconscious level. With the construction of a metasconscious nature (which is inherent in autonomous self-development), the further existence of mankind is realized in the system of development of this created metasconscious nature, in the conditionality of the development of this nature, in the provision of its highest knowledge, technology and resources. Under such conditions, the axially significant development of the consciousness of mankind, which actively participates in the system of meta-consciousness in solving the problems of further development of the procedural organization of the Universe, is not destroyed, but preserved. It can be argued that under conditions of metasconscious provision, a human soul endowed with consciousness reaches the limit of perfection and truly ultimate bliss, which is only possible for it, and this bliss in active participation in the metasconscious evolutionary development of the Universe and, thereby, in the movement towards God.

Unfortunately, the present humanity, due to the preservation of the archaic traditional mode (paradigm) of conscious perception, formed during the Neolithic revolution, but still used today, builds being not in the performance of cosmic purpose - not in the axially development of consciousness and the creation of an axionic metasconscious nature, but in cosmological parasitization - in increasing consumption solely for the sake of further ever higher consumption. Of course, we build a metaanthropic nature, whether we want it or not, in an orientation towards the creation, after all, of a metasconscious nature, because otherwise the developing consciousness cannot carry out being, but in its own worldview we build this nature in order to increase our cosmological parasitization. The result is cosmologically unnecessary (non-axial) life of people, replicated in cosmologically conditioned suffering, and death of people, replicated in the destruction of their cosmologically unnecessary personal being, and the natural movement of all humanity towards physical self-elimination.

The preservation of humanity in the existence and evolutionary movement of the Universe is possible only by building its own being in the performance of cosmic purpose, in following the exist-

ing evolutionary movement, and not in opposing it. To do this, it is necessary to replace the hopelessly outdated traditional paradigm of conscious perception with the modern paradigm of epistemic (reliable) conscious perception, which allows us to perceive our cosmic purpose and follow it in a conscious understanding. Only on this path can we get out of the growing crisis of our existence, ensure the high quality of life of people and some overcoming them in the death of destruction.

It's about creating a soul! It's about creating moral content! And all this is created only in the sphere and with the help of society, in the sphere of human relations, and with the help of the free will of each of them. Here is the process and long, here is the process and painful, and how! After all, you need to make a God-like creature from an animal. The material is squeaking and resisting. To model and strengthen faith, God sends saints and prophets to the earth. For clarity! Practice as a criterion of truth and the possibility of any design and knowledge shows us in the person of these people who have gone forward that the goal of becoming a True Person as a species is, in principle, achievable.

Human universality is original and eternal. Man is fundamentally, essentially universal, that is, dialectically identical with the Universal. In theory, we are the same system - a certain United Mind. Therefore, we are developing not as we got, but in the direction of idea. Our channel of evolution is the path to the noosphere, the developed state of which is the United Mind. A person, studying society, studying himself, and studying Universium, space, the world - especially, studying himself. This is how the modern philosopher should understand the Sokratic motto "Know yourself."

In fact, the enormous efforts of the individual are required for history to select it as a composite "element" of the noosphere. However, it must be understood that not every person will want such a future: after all, cathedral openness is supposed here. Not everyone will want to reunite their knowledge and motives with others, give their personal, including hidden information, to the general information field. The moral factor plays a decisive role here.

The main premise of perfect humanity is culture. It will come to life in the form of a United Mind. Hence, every contribution to culture is a work aimed at creating a historically following man and a more perfect thinking creature, the United Mind.

Only a small part of humanity will enter the spiritual noosphere, and even more so, it will come to the highest stage of the noosphere - the United Mind. Is a general, massive (and, therefore, violent) salvation possible? I think forced salvation is nonsense. As always, a single one should appear in the bowels of the evolutionary channel, which, by virtue of particular, performs the function of universal. It is this dialectic that marks the essence and beginning of any qualitatively new system. In this case, these are isolated geniuses and righteous, example creating a special group of people. This is really there and will be a perfect person.

This beautiful call is absolutely necessary to justify, and to justify, having risen to cosmic arguments. For only theoretical justification can make the practice of overcoming the modern critical state - the practice is not chaotic, but sighted. All the content of my recent publications is devoted precisely to proving that the future of man-

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kind (or its absence) is connected solely with the possibility of whether a person will be able to fulfill purpose - to be reasonable.

When we pronounce or write the word "mind," we must recall that it is organically included in the word "noosphere," which both Teilhard de Chardin and V.I. Vernadsky denoted the goal of spiritual development. This is the beginning and the condition for the realization of the cosmic purpose of mankind. Awareness of one's lofty destiny is essential to man. After all, this is the very Good, the knowledge of which and, therefore, the possession of which, as Socrates believed, gives man true happiness. Do not believe those who say that Socrates was a naive moralist who did not know real life. At one time he was the only sober and sighted among the drunk and blind. For the essence of man is not consumption, but creativity, but the house of man - not the "sinful earth," but the Eternal Cosmos.

Cosmological understanding of the essence of man explains the correctness of his cosmological circle. The theological understanding of the essence of man as an absolute personality, existing above all nature and the world, makes him the creator of all being.

The spiritual world of man lives according to the laws. Spiritual laws are reflected in the Christian religion brought to mankind by God-man Jesus Christ from the Father of Heaven. To understand and enforce spiritual laws, God gave man the mind and conscience of the soul.

God urges us to be perfect. So be perfect as your heavenly Father is perfect (Matthew 5:48). Christ, like God, said "I no longer call you slaves, for the slave does not know what his master is doing; But I called you friends because I told you everything I heard from my Father. (John 15:15). " Food for the belly, and a womb for the food; but God will destroy both (1 Corinthians 6:13). For in the resurrection neither get married nor get married, but stay like the angels of God in heaven (Matthew 22:30). And if the Creator carries out activity in order to improve creation, then this perfect creation is necessary for him for heavenly creation.

Heavenly creation is the joint spiritual work of man with the inhabitants of the heavenly world (angels, pure ancestors). Creation, along with harmony and providence, is one of the acts of the Eternal Cosmos, which are expressed in God's thought. Heavenly creation is the focus of positive thoughts and feelings - it is the highest freedom, understanding, a glimpse of higher knowledge and eternal life, which are sung in the thoughts of providence of grateful Heaven. Heavenly creation is an expression of blessed thought substance. The process of celestial creation is internally complex and occurs as follows. People who talk and sing with heavenly angels also see everything that is in Heaven through the heavenly light in which our soul is located. Angels also see through us what is on earth, because in people who comprehend God, Heaven is connected to the natural world, and the natural world is connected to Heaven. Heavenly creation reveals spiritual vision. Heavenly creation develops human understanding and soul, directing them to God's Mind and to the Blessed Spirit, respectively.

After the critical period described in the Apocalypse of John the Theologian, there will be a favorable turn in public life, new discoveries, inventions that have a spiritual basis. In turn, new dis-

coveries in science will lead people to spirituality. We have already witnessed amazing events, atmospheric anomalies and flying suns in which celestial forces travel. Mankind is waiting for a spiritualized, enlightened life, liberation, a vision of knowledge from the future, a fusion of science, culture and faith. Important discoveries will be made in the science of multidimensional spaces and times, many celestial mysteries will be revealed, as well as the secrets of the history of earthly mankind. In the light of future discoveries, we can say that the space era on Earth has not yet begun. More strictly speaking, we are talking about the heavenly, Holy Trinity era of interstellar, over-time travel and knowledge. In the sense of heavenly creation, both science and art have no temporal boundaries. They study and describe eternity and are eternal themselves, looking far into the past and the future. And we owe it to our Creator, God, the Holy Trinity - the heavenly Father, God's Mind (Son), and the Holy Spirit.

Heavenly creation, reflecting the connection of the human mind with God's Mind in association with the heavenly worlds, has us to equality in everything, to conducting joint projects and friendship, to the search for truth, which is provided by emotion-pure thought, sober, detached judgment, the ability to see the essence without exaggeration and self-interest, the clarity of theses ahead of time.

The main way in which God directs people in heavenly creation is the understanding that God's Word leads all knowledge, affirming creation, creation and expansion of the boundaries of any scientific method. Also affirming the creation of a new picture of the world and the rapprochement of faith and science. And asserting the unification of humanity with the cosmic races on the basis of the Holy Trinity Faith.

The central moment of heavenly creation is the purification of understanding: not every earthly thought can be appropriate in Heaven. Therefore, understanding passes through a sieve of truth and inspiration, which are transmitted by images of light and clouds, respectively. The thoughts of creation are sorted, in which only true, righteous thoughts, free in God's Mind, are separated for Heaven. And among the feelings for Heaven are only inspiration and mercy, free in the Holy Spirit. True creation makes it possible to manifest the beauty of God's assistance through God's Mind, as well as to direct the power of the heavenly Father's assistance to the goal. The heavenly Father is both the leader and the Lord of the heavenly Kingdom, the King. He governs the heavenly Kingdom through truth, many of which are creation and advancement. In all heavenly Kingdom, understanding comprehends God, asserting life, which is understandable because understanding directs all life's aspirations. Understanding, and after it joy, is a spiritual substance that determines the laws of space, time, attraction and repulsion. The heavenly Father enlightens comprehension, allows to overcome obstacles on the way to victory, to sing grateful praises together with Heaven, resurrects heavenly life by means of God's Mind, which is comprehended in the thoughts of providence.

Man must achieve spiritual perfection and prepare for perfect cosmic creation with God's help [14-18]. Man is meant to transform into the God-man of the New Space Race. The resurrected perfect part of humanity of the New Space Race will expand God's space in Space with His help. Each of us should become a cosmological creative servant to God.



## Conclusion

The author proposed a new cosmological concept of man's purpose based on biblical theological teachings. The author proposed a new cosmological concept of man's purpose based on biblical theological teachings. The Bible emphasizes the cosmology of man created in the image and likeness of the Creator. The image of God is the basis of being. The likeness of God forms man for the creation of being. Creativity and endowments, as well as mind word and spirit, liken man to Creator. God gives man creative talents for joint action. Synergy occurs when a person participates in God's creations, and God helps a person with grace. God created man for himself, in his measure [19]. Man contains the same elements that fill space [20]. It contains all the elements of space. Man is the conductor of divine actions [21].

According to the concept, a person created in the image and likeness of God is intended for cosmic creation. The main cosmological property of man is spiritual perfection. God urges us to be perfect. So be perfect as your heavenly Father is perfect (Matthew 5:48). Perfect man reaches eternity, that is, the God-like state of the spirit. The soul of the perfect man is ready for eternal life in the Kingdom of Heaven, that is, for life with God in the God-like righteous peaceful and joyful state of the spirit. In the Kingdom of God, the soul lives outside time according to the spiritual laws of God.

Perfect men after death enter into heavenly creation with God according to His will and act under His direction. The creative cosmological properties of man are God-like foresight and creation of images. The godlike foresight of events was possessed by Wolf Messing during his lifetime on earth. In images, a perfect person will be able to create, connecting with the Lord. And the one uniting with the Lord is one spirit with the Lord (1 Corinthians 6:17). The spirit of the Lord will give the power of creation to the images of a perfect man. In the beginning was the Word, and the Word was with God (John 1:1). All things were made by Him, and without Him was not anything made that was made (John 1:3). God creates by the action of the living Word and the message of the Life-giving Spirit (Vasily Great). The will of God is the creator and artist of both nature, and art, and everything that exists (John Chrysostom).

Creative cosmological properties will be given to man for the creation of cosmic being in the created space by God. For this, a perfect person will also be given the ability of cosmic transcending. According to Maxim Confessor, transcending will help keep contact with the Source and Feeder of life in space.

The patristic heritage actualizes the proposed cosmological theological concept of human purpose. All creature, at the command of God, has to be, according to the universal resurrection, not as it was created - physical and sensual - but has to be re-created and become a kind of ignorant and spiritual dweller, exceeding all feeling (Simeon New Theologian). So that through the spiritual contemplation of this world, as if on some wonderful ladder, we can rise to the higher world (Gregory Palam). Another sky, the abode

of God-bearers, contemplated by a single mind, is bright; subsequently, the man of God will enter it, when, having cleansed the mind and flesh, it will be done by God (Gregory Theologian) [22].

## References

1. Russell R (2001) Did God Create Our Universe? Annals of the New York Academy of Sciences 950: 108-127.
2. Byl J (2001) God and Cosmos. Banner of Truth Trust.
3. GFR Ellis, U Kirchner, WR Stoeger (2004) Multiverses and Physical Cosmology, Monthly Notices of the Royal Astronomical Society 347: 921-936.
4. Willem B Drees (2007) Cosmology as Contact between Science and Theology, Revista Portuguesa de Filosofia 63: 533-553.
5. Maurizio Gasperini (2008) The Universe before the Big Bang: Cosmology and String Theory. Springer 2008: 1-208.
6. Don N Page (2008) Does God So Love the Multiverse? Wiley-Blackwell 2008: 380-395.
7. J Brian Pitts (2008) Why the Big Bang Singularity Does Not Help the Kalam Cosmological Argument for Theism, The British Journal for the Philosophy of Science 59: 675-708.
8. Robin Collins (2009) The Teleological Argument: An Exploration of the Fine-tuning of the Universe. Blackwell Publishing 2009: 202-281.
9. Abhay Ashtekar (2009) Loop Quantum Cosmology: An Overview. General Relativity and Quantum Cosmology 41: 707-741.
10. William R Stoeger (2010) God, Physics and the Big Bang. Cambridge University Press 2010: 173-189.
11. Martin Bojowald (2011) Quantum Cosmology: A Fundamental Description of the Universe. Springer 2011: 1-310.
12. Cosmology and Theology (2017) Stanford Encyclopedia of Philosophy.
13. Michael A Cremo (2006) Human Devolution: Vedic alternative to Darwin's theory. The Philosophical Book 2006: 1-330.
14. Frank J Tipler (2007) The Physics of Christianity. Doubleday 2007.
15. EG Bryndin (2019) Synergetic Paradigm of System Development of Universe and Social Harmony. Social Science Learning Education Journal 4: 19-21.
16. Evgeniy Bryndin (2020) Harmonization-Civilization Improvement Process. Global Journal of Human Social Science 20: 15-19.
17. Evgeniy Bryndin (2020) Human Evangelization and Diaconic Service of Believers to Neighbors in Unity of Liberty According Law of Love. International Journal of Research in Humanities and Social Studies 7: 1-8.
18. Evgeniy Bryndin (2020) International Harmonization of Human Life and Society. International Peer-Reviewed Journal on Humanities & Social Science 6: 135-137.
19. Anthony Surozhsky (1997) Spiritual journey. Pilgrims.
20. Paul Florence (1994) Macrocosm and microcosm. RKHI.
21. Yuri Zenko (2020) A man of microcosm as the image of God? TsKHPA: 1-128.

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