

# GEOMETRIC OF FORMS HUMAN TO THE PSYCHE EFFECT: ANCIENT PHILOSOPHICAL TEACHINGS AND MODERN NEURO- AESTHETICS SYNTHESIS

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**Abstract:** This in the article ancient philosophical teachings and modern neuro-aesthetics principles based on geometric of forms human to the soul impact interdisciplinary analysis made.

**Key words:** neuro-aesthetics, sacred geometry, Gold ratio, Plato bodies, visual perception, cognitive relief.

## ГЕОМЕТРИЯ ФОРМ, ВЗАИМОДЕЙСТВУЮЩИХ С ЧЕЛОВЕЧЕСКОЙ ПСИХИКОЙ. ЭФФЕКТ: СИНТЕЗ ДРЕВНИХ ФИЛОСОФСКИХ УЧЕНИЙ И СОВРЕМЕННОЙ НЕЙРОЭСТЕТИКИ.

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**Аннотация:** В данной статье представлен междисциплинарный анализ влияния древних философских учений и современных принципов нейроэстетики на геометрию форм человека и его связь с душой.

**Ключевые слова:** нейроэстетика, сакральная геометрия, золотое сечение, тела Платона, зрительное восприятие, когнитивное облегчение.

Neuroaesthetics — art, beauty and aesthetic experiments human brain and biological mechanisms through learner interdisciplinary This term was first used in the late 1990s. come output Lebanese was British neurobiologist By Semir Zeki science included. Artists centuries during used methods (symmetry, exaggeration, association) are actually brain on the bark neurons of encouragement the most

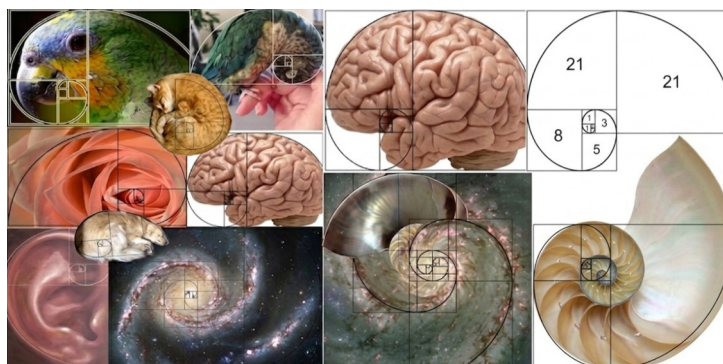
effective We are a to perceive something as "beautiful" when we do, in the orbital frontal part of the brain activity increase and dopamine (pleasure) hormone) secreted output such as processes neuroaesthetics research does. Holy Sacred Geometry — the universe shapes, patterns and of proportions behind divine, spiritual or space order who thinks he /she is lying philosophical, religious and aesthetic This concept is according to nature and universe random not formed, but known one geometric plan based on created. The universe structural basis geometric forms organization to be able about hypotheses Ancient In Greece formed Pythagoras and Plato in their teachings geometric harmony concept universe structure and space order explanatory main criterion calculated. Their to their views according to, material world random chaos not, maybe geometry to the laws subordinate symmetrical, harmonious and perfect is a system.

"God forever geometrizes."

– Plato

Geometric of forms (Golden ratio, Life flower, mandala, Plato bodies) from the microcosm (atoms) to the macrocosm (galaxies) structures basis that today's theoretical even today physics and astrophysics and quantum mechanics within of the fundamental topics being studied is one. Modern science of the universe this himself/ herself repetitive (fractal) architecture clear mathematician and empirical evidence with Atoms at the level : Chemistry and quantum in physics research atomic nucleus, ions radius and of electrons energetic levels between distances gold ratio laws (Fibonacci (submission to the sequence) shows Galaxies Level : Spiral of galaxies (this including the one we live in Straw Way networks of the galaxy from the center aside looking at exactly logarithmic gold spirals along expands. This matter energy the most effective distribution method.

(Figure 1)



Picture 1 Picture 2

Neuroaesthetics (in the brain) beauty perception) and holy between geometry (universal shapes in the universe) dependency — human evolution and cognitive neurobiology the most interesting from the points is one [1, 3]. The Holy geometry universe patterns offer if it does, neuroaesthetics our brain why exactly this patterns when you see enjoy scientific in terms of proves [1, 3, 5]. Neuroaesthetics to the laws see, man brain minimum energy spend the maximum information again to work good sees [3]. Holy geometry basis was Gold proportion, symmetry and fractals (e.g., " Life" flower " barrier " (brain ) for the visual cortex the most easy readable visual The brain is the code. perfect shapes again " doesn't strain " at work and this thrift our mind " beauty " and harmony " (aesthetic as pleasure acceptance does.

Secondly, the orbital-frontal part of the brain (medial orbitofrontal cortex) is responsible for aesthetic in terms of nice objects when you see activates and dopamine (pleasure) secretes the hormone (HGH). Holy geometric shapes, mandalas or historical in monuments girth to the patterns When we are standing, in the brain reward system immediately with to work falls. Peace, stability and space order reflection provider this geometry visual " euphoria " hormones working to release Thirdly, human psyche by nature chaos and uncertainty danger as The brain is visual. the world into parts separate not, all a " whole " in the form of " image " (Gestalt) to see strives for. Holy in geometry five Plato bodies or symmetrical matrices of any kind chaotic the environment molding and order to plant to the feature has. Engineering in the drawings or in architecture this geometric order when we see, neuroaesthetic point of view from the point of view our brain himself safe, stable and quiet feels in the environment Summary : Ancient

Greeks the world two to the situation divided into : Chaos (disorder, panic, darkness) and Cosmos (order, beauty, harmony). Created by nature random particles package as not, maybe Gold ratio and Plato bodies such as clear mathematician laws based on created by. Through this human to the mind of the universe stable that signal is given. Human spirit for the most big fear is uncertainty and is chaos. We are complicated engineering in the drawings of our mosques girth in patterns or simply snow in the passage that " Holy geometry When we see, in our consciousness : " Everyone thing control under this universe random not, its caring and wise Architect " there is " confidence wakes up. Beauty feeling is brain security and divine harmony familiar is an instinct. Neuroaesthetics and holy geometry synthesis exactly this to the conclusion take Coming : In the

Universe geometric codes — Creator's human to the soul understandable "This world " in the language safe and controllable order " have " is a message. In the modern digital era, modern computer graphics and its software (graphics programs) serve as a bridge in modeling these sacred geometric codes of the universe, universal symmetry and fractal systems with mathematical accuracy. It has been scientifically proven that using the general capabilities of graphics programs allows you to design the complex visual order of the universe with perfect linear accuracy. From a neuro-aesthetic point of view, such digital symmetrical shapes and precise engineering models are easily perceived by the human visual cortex in the form of visual code without spending excessive energy. As a result, the geometric harmony created by computer graphics maximizes the coefficient of cognitive ease (*processing fluency*) in the brain, and at the same time further accelerates the release of hormones of security, stability and aesthetic pleasure (*dopamine*). The synthesis of neuroaesthetics and sacred geometry leads to this conclusion: Geometric codes in the universe are the Creator's message in a language understandable to the human psyche: "This world has a safe and controlled order."

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