

THE GOLDEN SPIRAL OF LIFE

THE ARCHITECTURAL PLAN OF GIZA – PART 2

Hans-Peter Ludwig



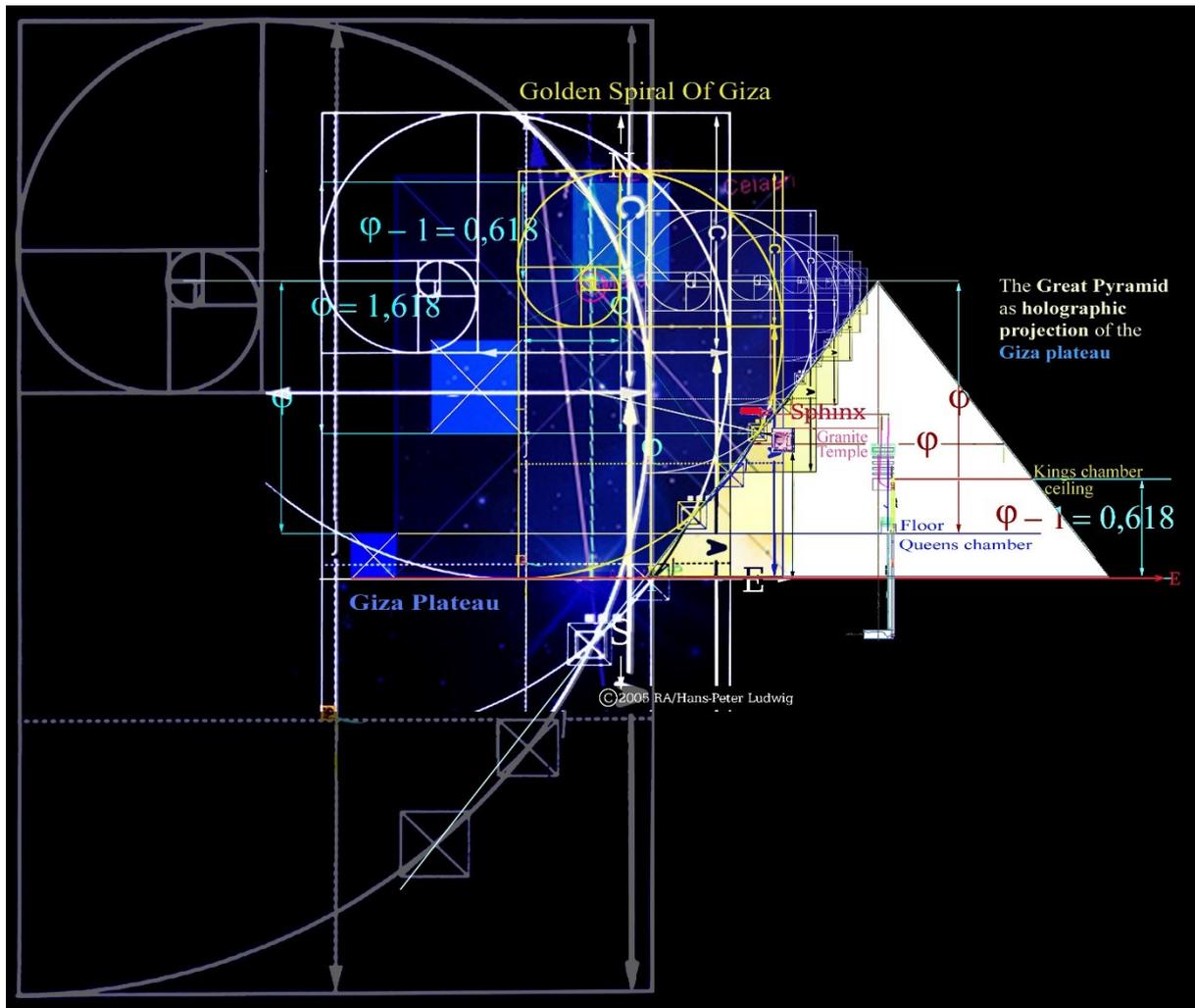


Fig.1 The architectural plan of Giza: PHI, Golden Spiral and Great Pyramid in south view – Image source: author

"Man fears time. But time fears the pyramids." A wisdom from ancient Egypt that - as timeless as the pyramids of Giza - excellently describes our temporary life. As an intelligent species that is self-aware, we humans are faced with the eternal question of where we come from and where we are going. Life and death, this world and the hereafter, sun and moon, day and night are completely natural processes for every living being, combined with the longing to escape this limitation of beginning and end. The natural spectacle of change and transition takes place wherever life exists. For the eternity of life - its continued existence - is only possible through its own constant renewal. It starts with the single cell that dies and is replaced by a new one. The *Escherichium coli*, for example, the bacillus that inhabits the intestine and divides every twenty minutes, is one of the smallest forms of life and at the same time the one that biologists have studied most thoroughly. It is estimated that it contains - in addition to 4 main DNA molecules with a molecular weight of 2.5 billion each - about 400000 RNA molecules (1000 different species) with an average molecular weight of 2 million, about 1 million proteins (2000 different species) with an average molecular weight of 40000 and 500 million smaller organic molecules (700 different species) with an average molecular weight of 300.

The cell is a structure that can copy itself. It absorbs molecules from its environment, uses some of them to generate energy and transforms others into components with which it copies, repairs, moves or defends itself. The information necessary for viability and reproduction is passed on to the next generation via DNA. One type of RNA, called messenger RNA (m-RNA), serves as a temporary transcript of this information and "tells" the ribosomes which proteins they need to produce.

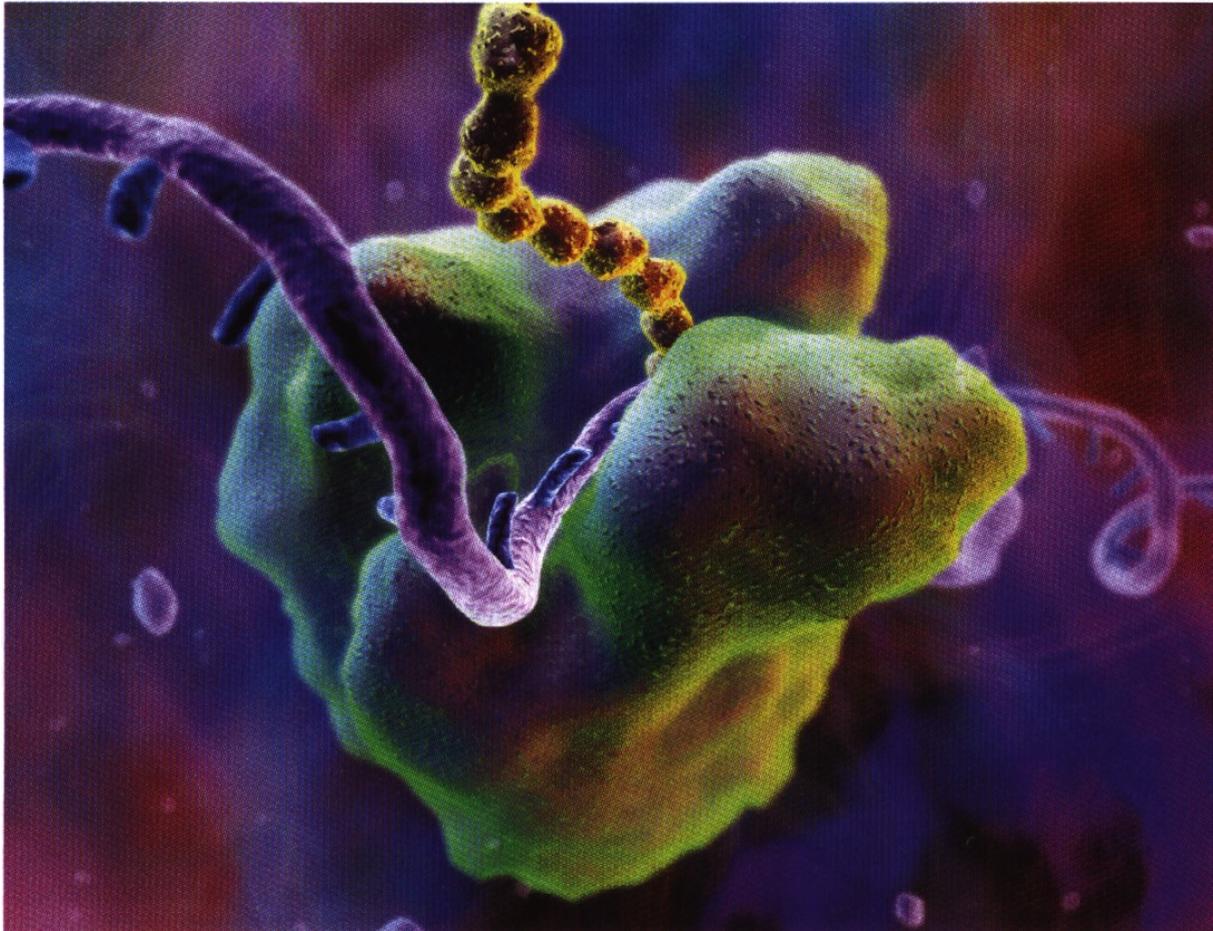


Fig.2 Ribosome of a cell: reads an RNA strand (purple) to obtain information about how it has to assemble the amino acids that make up a protein (golden) – Image source: Spektrum der Wissenschaft Spezial "Nanotechnologie", 2/2001

As amazing as this is, it is only at the beginning of the organizational stage of the plant kingdom. A plant is able to organize a multicellular unit - such as a tree - that contains trillions of cells whose interaction is necessary for the organism as a whole. Every second, ten million cells die in our human body, which are replaced by new ones in exactly the right place at the same time. That's a trillion cells a day. Expressed in the number of stars, there are five galaxies that are exchanged in our body within a day. We carry the "Holy Grail" within us without having to know how it works. What kind of miracle is happening that we don't notice at all? The greatest miracles are obviously self-evident. The most important basic prerequisite for life eludes our consciousness – everything works subconsciously. Cell division, the replication of DNA, the release of hormones and messenger substances, and finally the activation of our immune system, which protects us from hostile bacteria and viruses, harbors an inherent intelligence that must seem incomprehensible to us. But without these miraculous prerequisites, there would be no complex organisms at all - not in the universe, not on Earth. So the highest intelligence of life itself is not in our heads. The idea of creating such complex organisms, which become aware of themselves at a certain stage of development in order to inquire about the creation of life, does not come from our brain. This matter of creation is hardly comprehensible to our limited thinking ability. Nevertheless, world religions as well as natural sciences are confronted with the answer to the question of "where we come from and where we are going". Some commonly call the source of all being "God". For the proponents of Darwin's theory of evolution, on the other hand, life is not of spiritual origin, but of material origin, starting from the molecules in amino acids that were struck by the lightning storm of the primordial earth. Primordial soup or primordial god, which do you prefer? Was there first the spirit that created matter, or was there first the matter that created the spirit? The alchemists of the Middle Ages would have been happy with a lump of gold obtained from the magical transformation of lead. With the discovery of DNA a good fifty years ago and the first

cloned sheep "Dolly", Homo sapiens began to play the role of creator of life itself. But we humans use a "program code of life" that we have not created, but only discovered. When we discover and interpret something, it is always within the mental limits of our imagination. How can we then fully explain creation? Once we are in the process of understanding something as complex and at the same time as simply built as DNA, are we not even more faced with the question of who is the creator of this intelligent marvel? And that it takes a powerful, unimaginable intelligence before the first cell of life could even emerge and function? It's not the case that letters alone make a comprehensible book. How many attempts would it take you personally to throw the letters together from the primordial soup of the alphabet in such a way that the Bible emerges? What is the probability that this attempt at random can work at all? And what would be the point of this undertaking if the Bible were really to emerge from the dice? "God doesn't play dice," Albert Einstein once said. Chance makes everything meaningless – life, the universe, everything. Perhaps you can guess what I'm getting at: life is not accidental. And if it is not a coincidence that we exist, then there is a source and an intention behind it. Of course, the search for this source and for this intention is the search for "God". The development of life towards complex life forms, which from a certain stage are able to go in search of their source, is in itself a divine circumstance.

But what does the search for God and the associated search for the origin of life have in common with Ancient Egypt, its "gods" and the three pyramids of Giza? If you stand in front of the Great Pyramid, built from over two million stones weighing two tons each, you may be looking for the solution to the mystery here as well. For archaeology, the answer – it is the tomb of Pharaoh Cheops – is not a headache. A stonemason, civil engineer or architect gets a thicker head. How can stones with a joint spacing thinner than a razor blade in this size and number be manufactured and assembled? How can masonry be built over a base length of 230 metres with a maximum deviation of two centimetres, and precisely aligned with the cardinal directions? How can a foundation be built that causes the largest structure in the world - weighing millions of tons - to sink by just one centimeter in thousands of years? How were the seventy-ton granite walls and granite ceilings of the King's Chamber cut and polished in the first place? After all, granite is harder than steel. How can it be that all three pyramids, standing on the plateau, have survived all time? Actually, not at all. But they do exist, although they should not exist (anymore) – just as we exist, although we should not exist (in the first place). To suspect an intention behind the fact that the architect of Giza created the pyramids for "eternity" in order not only to accompany the development of mankind, but also to determine it, may still be pure speculation. But how did this architect come to construct the largest of the pyramids and the entire plateau according to the "key of life"? What is this key to life? In any case, it consists of a mathematical constant, and this constant is called PHI (Greek Φ). It consists of an infinite sequence of numbers and it is the most irrational of all numbers. Its value is 1.618033989... and its reciprocal $1/\Phi$ is known as the golden ratio or 0.618033989... The fact that Giza, i.e. its pyramids and the granite temple, were built according to PHI was mathematically and geometrically explained in the first part of the architectural plan under the title "KONTAKT AUF 49.6 GRAD - der Architekturplan von Gizeh" (published in ALTE KULTUREN SPEZIAL/2004).

Mathematics should not occupy us so much here in the search for the source of life. Rather, the fact that the pyramid and temple complex follows a uniform mathematical/geometric architecture. This circumstance suggests that there was also a single author/architect. In ancient Egyptian tradition, he is characteristically known as the deity of knowledge, called Thoth. To build structures such as the Great Pyramid of Giza with optical precision requires a special, intelligent intention. Nothing was left to chance here. In order to leave a message to future generations of humanity, it must be universally understandable and virtually indestructible. The language that contains this eternal message of creation is therefore made up of architecture itself, and this is PHI, the golden ratio, the golden square, the golden spiral. The "*golden spiral*" and the "*golden rectangle*" from which it is extracted are based on PHI. And from the *golden spiral of Giza*, which replicates itself from the blueprint – the arrangement of the pyramids on the plateau – the *holographic projection* of a new pyramid emerges (Fig. 1). And the geometry development results in an ascending angle of inclination at the projected pyramid base

of around 52 degrees. But this corresponds exactly to the proportions of the Great Pyramid of Giza! The chambers and shafts inside the pyramid also receive their clear markings about the most striking buildings on the plateau, the pyramids including the Sphinx and the Valley Temple. It therefore seems causal that the Great Pyramid contains the entire construction plan for the construction of the Giza Plateau and, conversely, that Giza was laid out according to the plan of the Great Pyramid – Giza and the Great Pyramid are one, holographically mapped in themselves via the constant of life - PHI! Like the Great Pyramid and the Giza Plateau, all life is constructed according to PHI and the Golden Spiral, just like the DNA double helix.

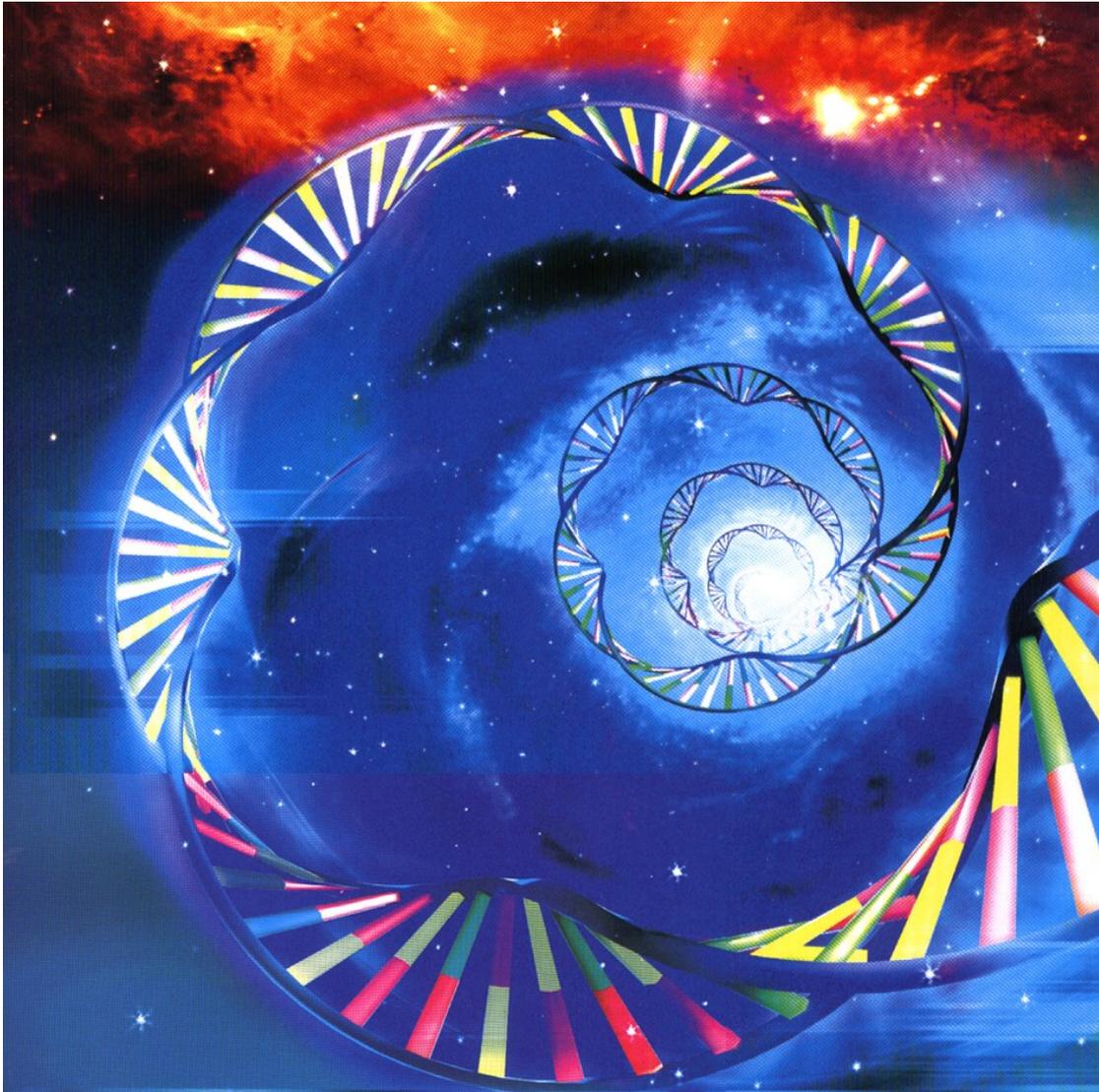


Fig.3 DNA double helix: Program code of life from SPACE – Image source: TELEPOLIS 1/2005

Did you know that DNA has a photo repair? *It works like this: They irradiate cells or cell groups with ultraviolet light, around 380 nanometers or higher, and shred the DNA to such a proportion that perhaps only two or three percent of it remains. If you then irradiate this tangle of molecules again with the same light around 380 nanometers, but with very low intensity, then this damage will be repaired within a day. This is called photo repair. At the time, we didn't know exactly, but today we know that this photorepair works in all organisms, from the individual cell to the human being. (Excerpt from an interview by Mathias Bröckers with Prof. Dr. Fritz A. Popp – published as an introduction to his book "The Message of Food", 1999).*

Around 1970, the then lecturer Prof. Fritz-Albert Popp at the University of Marburg was looking for a 380 nm light emission from living organisms, as he recognized connections between the carcinogenic effect of polycyclic hydrocarbons and their electronic states around 380 nm. Together with his doctoral student Bernhard Ruth, he detected this extremely weak light emission from biological systems using state-of-the-art technology, was the first to quantitatively prove the spectral intensity of at least 200 to 800 nm, recognized the spectral distribution "far away from thermal equilibrium", and was the first to discover the coherence of the radiation, which he later discovered together with the Chinese physicist K.-H. Li both experimentally and theoretically. (Excerpt from www.biophotonen-online.de).

It has therefore been scientifically proven that no matter how great the destruction of DNA caused by UV radiation is, a tiny intact fraction is sufficient to completely renew itself within a day. But these are exactly the properties of a hologram. No matter how much you destroy a hologram, cut it into pieces, in every smallest remaining part the whole remains as a complete image. Coherent light emitted by DNA is further evidence of the holographic projection of DNA, because the generation of holograms requires coherent light. With this scientific finding, DNA is a hologram, a cosmic projection. By the way, the saying "In the great as in the small, as above so below" comes from Hermes Trismegistos, also known as the Egyptian deity Thoth. The DNA and Thoth's pyramid architecture as well as their *holographic projection* in the form of PHI are identical. But if our DNA is a hologram, what are we living beings? And how and where does the projection of the hologram take place? In the source of all being? "Welcome to the holodeck!" Captain Picard would welcome us on the *Enterprise*. Maybe Thoth said something similar when entering the Great Pyramid. We humans, our DNA, even the miracle of the life we know, are part of this hologram, which describes itself in itself, and was perhaps created to continuously experience and recognize itself anew in itself: in the *Golden Spiral of Life*.

The fact that, according to reputable genetic researchers, only about 2% of all genetic experiments are positive, is no longer puzzling. Years ago, Russian scientists discovered that DNA is too unstable and too slow in its chemical reactions to be able to carry out targeted protein synthesis. Rather, DNA forms an optical hologram that resonates with electromagnetic fields of galactic, sidereal and planetary origin (for example, the morphogenetic field postulated by Rupert Sheldrake). From this, the DNA extracts the genetic information. A thesis that has already been confirmed and verified by Russian universities. The first experiments in which genetic information was induced in the DNA have already been successfully carried out. (Excerpt from www.wissenschaft-unzensiert.de).

The term "wave genetics" was introduced into science by Peter P. Gariaev, a member of the Russian Academy of Sciences. The group's research is unique both in Russia and abroad. These include: excitation of DNA molecules, ribosomes and collagen in the form of solitonic waves corresponding to a so-called Fermi-Pasta-Ulam refraction; Uncovering a new information storage system of gene structures that controls the time-dependent structures of biosystems like a "timer"; and the discovery of the holographic information storage of the chromosomal continuum, which controls the cells and tissues of biosystems by generating spatio-temporal vectors. The already mentioned "Fermi-Pasta-Ulam refraction" (FPU refraction) means, at the level of chromosomes, the ability of the gene apparatus to be its own time operator. The retrieval of information from the temporal past with the help of potentials has been highly spectacular in experiments at Ciba Geigy, which led to a patent application. Through potentials that were placed on fish eggs, seeds of plants and bacteria, long-extinct species reappeared: trout with quaint jaws, which were extinct about 200 years ago, wheat and maize plants, which could be identified as former wild plants and precursors of our cultivated species and which remain completely untouched by today's pests. ferns that changed their species and even the number of chromosomes within the individual growing season. Finally, millions of years old bacteria were also brought back to life from drill cores. (Excerpt from www.uni-saarland.de/fak8/warnke).

Literature: Gariaev, P.P., B.I. Birshtein, A.M. Iarochenko, P.J. Marcer, G.G. Terishny, K.A. Lenova, U. Kaempf (2002) The DNA-wave Biocomputer
Gariaev P.P., (1994) Wave based genome, Ed. Obsh. Pl'za, 279p. in Russian



Fig.4 "The Cosmic Dance" – artist: author, 15.08.2004 – in the possession of Erika Lange, naturopath

The question of where the holographic projection of life, which we commonly refer to as "God", has its source, thus remains unanswered for the time being. However, the realization gained here that our DNA, our lives, perhaps even the reality we experience are part of a hologram that corresponds in its structure to the architecture of Giza and the Great Pyramid is certainly only the beginning and not the end of this story.