

The Scale-Symmetric Theory in the Bambara and Dogon Mythology

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Abstract: Many basic ideas applied in the Scale-Symmetric Theory (SST) have counterparts in the mythology of the Bambara and Dogon tribes.

1. Introduction

The Scale-Symmetric Theory (SST) starts from only 7 parameters and a few new symmetries [1]. Within SST, we calculated more than a thousand basic physical quantities concerning especially the inflation, particle physics, minds, cosmology, and atoms [1], [2], [3]. The theoretical results are consistent with experimental data. The new cosmology and structure of particles presented within SST differ very much from the mainstream models. Especially we showed that the quark model of hadrons is not realized by Nature at low energy [1] and that there were two bangs concerning different objects and that the second bang is cyclic [2]. Here we show that new ideas harmonize with the Bambara and Dogon mythology. It suggests that the two tribes were visited by Extraterrestrial Intelligence.

2. The counterparts

2.1.

Bambara [4]: They claim that there was the timeless initial stage of the creation of the world.

SST: In the infinite space (the Fu i.e. the great void in the Bambara myth [5]), there are the spinning-and-moving big balls composed of smaller balls. The smaller balls interact only due to viscosity that follows from smoothness of their surfaces i.e. they do not create any field around them. Such objects can be also superluminal. The SST inflation started when two very big balls with left-handed internal helicity and very different sizes had collided. The smaller big ball, i.e. the initial inflation field, was composed of the very small SST balls/tachyons. The tachyons are the balls with a mean size of $\sim 10^{-64}$ m – it is the one of the 7 parameters applied in SST [1]. At first they did not move relative to each other i.e. the interior of the initial ball was timeless. The left-handedness of the big balls contributed to more abundant creation of baryons than antibaryons because the baryon core has left internal helicity – such is the origin of the matter-antimatter asymmetry.

In the infinite space, there are the classical SST tachyons/balls – their speed depends on their radius. Tachyons with smaller size are moving faster. Tachyons with the same size, due to their viscosity, tend to clump into larger balls.

At the beginning of the inflation, there were created the superluminal closed strings embedded in the inflation field.

Due to the two big balls with different sizes, our Cosmos (it has radius $\sim 3 \cdot 10^{30}$ m which is much bigger than that of the Universe) has stable boundary.

2.2.

Bambara [5]: As the first product of Fu (i.e. of the great void) was Gla, or Gla Gla Zo (i.e. “knowing”). Gla in turn gave birth to Gla,s twin, Dya, (a sounding twin [4]). The union of Gla and Dya leads to creation of icy objects. The icy objects filled the void. The icy objects enabled real creation.

SST: In my opinion, the above sentences are most important to understand the internal structure of spacetime. The great void via the big balls composed of the much, much smaller balls and via the collision of two big balls with very different sizes created the first product of Fu i.e. the superluminal pairs of closed strings (the Gla and Dya pairs or the Gla-Gla-Zo pairs). Almost whole of the inflation field transformed into the superluminal binary systems of closed strings. The rest of the inflation field we call the SST Higgs field [1]. The spins of the closed strings in a binary system of them (the SST graviton/entanglon [6]) are parallel and have the same direction while their internal helicities are opposite [1]. There are two possibilities. The first possibility resembles the situation near the quasars – the SST Higgs field is sucked (it is due to the toroidal and poloidal motions of the closed strings) into the interior of the SST graviton in the plane analogous to the quasar’s accretion disk and is pushed along the spin direction, which is an analogue to the half-jets in quasars. In such a way behaves the Gla-Gla pair (it is called also Gla). The second possibility results from the opposite motions in the SST Higgs field (a pair/graviton behaving in such a way is called in the Bambara myth Dya). Neutrinos are built of the SST gravitons/entanglons (of the Gla and Dya) i.e. neutrinos are the icy objects. The neutrino-antineutrino pairs are the components of the Einstein spacetime [1]. The neutrinos (the icy objects in the Bambara myth or the seeds Po in the Dogon myth [7]) and neutrino-antineutrino pairs enabled real creation because bigger particles and objects are built of them – the neutrinos and neutrino pairs can be entangled because they can exchange the SST gravitons/entanglons.

We can see that there is the two-component spacetime i.e. the SST Higgs field (i.e. the rest of the initial inflation field) and the Einstein spacetime composed of the neutrinos and neutrino-antineutrino pairs (i.e. of the icy objects). The neutrinos can exchange the SST gravitons (i.e. the Gla and Dya).

2.3.

Bambara [5]: The twins moved about with a fiery wind that melted the objects. Gla’s movements were the inner essence of creation, and his contact with Dya caused a “big bang” of sorts, out of which came the names of creation. Now Gla added human consciousness, and the world was born.

SST: We should read it as follows. The moving SST gravitons (the twins Gla and Dya) with different directions of motion in the superluminal SST Higgs field (a fiery wind) melted the neutrinos (the icy objects) at the beginning of the inflation. More precisely, at the beginning of the inflation the very dense fiery winds around the SST gravitons prevented the creation of neutrinos (icy objects). The creation of the Cosmos was because of interactions of the two types of gravitons.

In Paragraph 2.4., we described the different arrangements of the unitary spins of the neutrino-antineutrino pairs in the visible matter and dark-matter. We claim that minds, souls, and consciousness are built of dark matter so the electromagnetic interactions are impossible.

2.4.

Bambara [4]: During the act of creation the spirit Yo appeared. Yo created the first powerful forces Pemba and Faro. The first forces took part in the creation of the world.

SST: At the end of the inflation there appeared two forms of matter. In the first form of matter, the neutrino-antineutrino pairs (the Po-Po pairs in Dogon myth or the pairs of icy

objects in the Bambara myth) have spins tangent to a curve (it leads to dark matter, spirit, minds, consciousness – they cannot interact electromagnetically) while in the second one the spins are perpendicular to a curve (it leads to the directly visible matter – it can interact electromagnetically because the spins can rotate around the curve – photons are the rotational energies of the neutrino-antineutrino pairs and can be entangled because of the internal structure of neutrinos).

Emphasize that the neutrinos, i.e. the seeds Po or the icy objects, lead to both matter and dark matter and both forms of matter have gravitational mass.

2.5.

Dogon [8], [9] or [10]: The number 7 is linked to the origin of creation! The 7 is also the number of segments that prefigure man in the egg of the world.

SST: SST shows that the Final Theory must start from 7 parameters.

2.6.

Bambara [4]: The spiral coils “stirred” Yo – it caused that there appeared light, sound, all actions, all creatures, and all feelings.

SST: The neutrino quantum gravity is the foundations of matter and interactions [6]. The internal structure of neutrinos leads to a spiral which is responsible for the quantum confinement [6].

2.7.

Dogon [4]: The world arose from the word “AMMA”.

SST: According to Dogon, AMMA is God of creation. The word “AMMA” has the mirror symmetry so the Dogon myth says that symmetries are very important in the Final Theory.

The word “**AM--MA**” can represent also the union of **AntiM**atter and **MA**tter i.e. can represent the particle-antiparticle pairs such as the neutrino-antineutrino pairs or gravitons.

When a mirror is put between the closed strings then the SST gravitons have the mirror symmetry.

2.8.

Dogon [9] or [10]: Dogon mythology is based on a dualised unity represented by an infinitesimally small form of living atom (kize uzi), which turns into the egg of the world (aduno talu).

SST: In the SST, “kize uzi” represents a neutrino (there is torus and central condensate). Similar shape has the Protoworld [2] which was created because the SST gravitons in a neutrino entangled matter and dark matter in the Protoworld i.e. the neutrino decayed/expanded/exploded. The neutrino-Protoworld similarity is the dualised unity. The reverse process, i.e. creation of a new neutrino, started the expansion of the Universe [2] (of the Amma’s egg).

2.9.

Dogon [4]: The first word gave rise to an infinitely small basic element of the world, which the Dogon call “kize uzi” (it is called also the seed Po). By means of internal vibrations, the “kize uzi” turned into “the world egg”. The seed Po can turn into a terribly strong wind, but this may not be talked about.

SST: In SST, the kize-uzi/seed-Po is the neutrino. “The world egg” is the Protoworld which was created in centre of the Cosmos because of the return shock wave created at the end of the inflation [2]. Protoworld was built of the neutrino-antineutrino pairs. The internal structure and vibrations of the neutrinos are described respectively in [1] and [6]. The structure and

vibrations lead to the quantum confinement and entanglement of the neutrino-antineutrino pairs from which the Protoworld was built of. Just one neutrino decayed to the SST gravitons (to a terribly strong wind) which entangled and confined matter in the Protoworld.

2.10.

Dogon [4]: In the Dogon myth, Amma has the epithet “a spinning vortex”, and it is noted that its motion goes in a spiral.

SST: The spiral appears inside the neutrino [6] i.e. inside the Dogon seed Po. Such spiral is responsible for the neutrino quantum gravity which leads to the quantum confinement of the neutrino-antineutrino pairs – this phenomenon leads to the scalars in physics, for example, to the Higgs boson [6].

Inside neutrino is created a spiral – in my opinion, the word “SPIRAL” is the holy word of Amma.

The word “spiral” originated from the Latin word “spira” which means “a curl, a curve”, “a bend of the snake” [4].

2.11.

Dogon [4]: After the seed Po had been created and the motion started in a spiral, the invisible Amma began to create signs which determine everything in this world: the two “guiding signs”, which belong to Amma, and eight “main” signs.

SST: According to the SST, there are the invisible tachyons and invisible gravitons/entanglons which should belong to invisible Amma. On the other hand, there are the eight different gluons which outside the nuclear strong fields behave as photons [1]. Such objects are the signs.

2.12.

Dogon [8], [11], [12], or [10]: The 22 dots on a spiral represent witnesses of the exteriorised and classified world (see Fig. 1 in [10]). And there was the segmentation of the egg of the world by the first 7 vibrations. 7 is also the number of segments that prefigure man in the egg of the world.

SST: The ratio $22/7 = 3.142\dots$ is close to the number $\pi = 3.141\dots$ so the vibrations suggest that in theory of the Protoworld (the Amma’s egg in the Dogon myth), the circles/closed-strings are very important.

2.13.

Dogon [9], [11], [12] or [10]: The Dogon have 266 signs that prefigure the categories of everything in the Universe – it concerns both objects and beings. These 266 signs are called “the 266 things of the beginning” or “the 266 parts of Amma’s body” or “plan of the world”.

SST: Notice that $266 = 38 \cdot 7$ and $38/7 = 5.43$ which is close to the ratio of dark matter to visible matter in the Universe [2].

When we use numerology described in [13], i.e. we assign numbers to the letters of the English alphabet: A = 1, B = 2, Y = 25, Z = 26, we obtain

ENG: **266 = Amma (28) is (28) built (64) of (21) gravitons (125)**
= similarity (135) + rotations (131) (similarity of shapes of the basic objects and their rotations – see Paragraph 2.14)

On the other hand, the SST gravitons are the Gla and Dya, i.e. the twins, in the Bambara myth!

2.14.

Dogon [11] or [10]: The numbers 5 and $60 = 4 \cdot (3 \cdot 5)$ are very important in Dogon life, for example, the Dogon week has 5 days and during certain ceremonial rituals, the Hogon is surrounded by 60 chiefs located in the 4 regions of space.

SST: So we have the numbers 5, 4 and 3. SST shows that there are 5 basic elements in the Cosmos: the tachyons in the SST Higgs field, gravitons/entanglons responsible for the quantum entanglement (the Gla and Dya in Bambara myth), neutrinos (the icy objects in Bambara myth and the seeds Po in Dogon myth), core of baryons, and Protoworld (the Amma's egg in Dogon myth) [1]. The 4 of them are a product of the basic phase transitions of the fundamental field i.e. of the SST Higgs field. And the 3 last objects are similar i.e. there is TORUS and central condensate/scalar [1]. Applying the numerology we have

ENG: $93 = \text{TORUS}$

= KNOWING (i.e. the "knowing" in Paragraph 2.2. or Gla)

It is true that the Bambara and Dogon mythology is far ahead of all the modern/mainstream scientific achievements.

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