

Interpreting Universe's Secrets

Adalberto Da-Costa Dias*

Darcy Ribeiro Northern Fluminense State University, Rio de Janeiro, Brazil

Abstract

Dias, Adalberto da Costa, presented a type of somnambulism, which only manifested during his adolescence, causing him to be stuck facing the wall while he slept, because there, for all purposes, there was a door. Adalberto, throughout his life, has always been concerned with interpreting the explanation for this unusual situation. Now, nearing 75-years-old, Adalberto finally interpreted that trance state, which afflicted him in youth. There interpretation is as follows: The wall did represent an insurmountable obstacle originated in poverty and in lack of opportunity to have a good and satisfactory scientific education, especially in physics and mathematics. Despite this tremendous obstacle in his life, Adalberto is aware that he must do what must be done so that his work reaches the highest scientific level. Thinking in this way, Adalberto uses in this paper his acquired cosmo-reach in what he is stronger, which is his power to interpret universe's secrets. Adalberto acts like a hummingbird, which carry in his beak a drop of water to spread in the forest that is on fire. He's just doing his part.

Keywords: The Big Bang Theory; The Big Hole Theory; The photo electromagnetic effect; The solar system; Hubble's astronomical observation

Introduction

A critical analysis of the universe's evolution is made throughout this paper, seeking to reveal aspects that were then unnoticed or misinterpreted. For this, the results obtained in the researches developed by the following scientists were used: Lemaitre [1], Hawking [2,3], Einstein [4], Dias [5,6], Reitz and Milford [7], Wheeler [8], Oppenheimer and Snyder [9], Newton [10] and Hubble [11].

First secret has to do with the Big Bang Theory

Lemaitre [1] called the Big Bang: hypothesis of the primordial atom. However, the atomic structure was not yet formed at the time of the universe's birth. Hawking [2], on the other hand, said that the universe was born from a point of singularity. In sequence, he himself said that the universe was born out of nowhere. Interpreting these two statements by Hawking [2] related to the origin of the universe, the author of this paper fully agrees with the first but disagrees entirely with the second.

To say that the universe was born out nothing means to ignore the law of conservation of the mass and energy, which says: mass and energy cannot be created nor destroyed they only can be transformed one into another. This primordial universal physical law is based on the Einstein's Equation [4] of the equivalence between mass and energy, described by Dias [5].

The energy that appears [5] is the white energy E , of an expansive, explosive and hot nature. The mass that appears [5] is the universal dark matter m_f contained in that point of singularity and safeguarded by the law of conservation of the mass and energy [4].

Dias [5] describes in detail the birth of the very hot expanding universe. According to Dias [5], The Big Bang Explosion was triggered by purely mechanical process caused by the collapse of gravity, where the transformation of dark matter m_f into white energy E , occurs at the speed of light squared (Figure 1). "The force of gravitational attraction reversing its vector sense, for not having a second body to attract, turns into a force of repulsion beginning an anti-gravity cycle for the expanding universe, described by Dias [5]". As far as stars exist in the universe, there came the explosive, expansive and very hot effect of The Big Bang Explosion.

The author of the present work affirms to be impossible the existence of life during the cycle of expansion of the universe because the exacerbated heat.

Second Secret has to do with the Big Hole Theory

With random temperature cooling, the stars formed in The Big Bang Explosion (Figure 1) began to cluster with their respective planets in the form of a galaxy (Figure 2), gravitating around its center of gravity known as black hole. The appearance of black holes is a march in the history of the universe, representing the transition from the anti-gravitational expansion cycle (Figure 1) to the contraction cycle. The universe is really contracting (Figures 2-4). It is only in this contractionary gravitational universe that life arises.

Unfortunately, the law of conservation of the mass and energy represented by Einstein's Equation [4] is still poorly understood and therefore misunderstood today, in the midst of the twenty-first century, as regards the transformation of dark energy into dark matter.

The energy, which is represented [6] as \mathfrak{S} , is the mysterious dark energy, of an contractive, implosive and cold nature, related to gravity acceleration of the black hole, which cause stars to stay grouped from gravitational center of a galaxy (Figure 2). Inclusive related to gravity acceleration of the black hole called here the Big Hole, that unifies the universe in contraction with their respective galaxies from its gravitational center where it is located (Figure 3).

On the other hand, the attractive point mass, which appears [5,6] as m_f is the mysterious dark matter (Figures 1 and 3), having the density and volume characteristics described [5,6].

Dias [5] updated the universal gravitation law and established the

*Corresponding author: Adalberto Da-Costa Dias, Darcy Ribeiro Northern Fluminense State University, Rio de Janeiro, Brazil, Tel: (+55)22-998101038; E-mail: adalbertocostadias@hotmail.com

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Third Secret has to do with the Photo Electromagnetic Effect

The deduction of the photo electromagnetic effect Equation stars from Dias' Equation at the light photons limit as follows, where the quantities involved are all described in Dias [6]:

$$\bar{F}_a = -\bar{\nabla}\bar{\mathfrak{z}} \tag{1}$$

Where:

$$\bar{\nabla} = +\hat{s} \frac{\partial}{\partial s} + \hat{t} \frac{\partial}{\partial t} - \hat{m} \frac{\partial}{\partial m} \tag{2}$$

$$\bar{\mathfrak{z}} = m_{rf} c^2 = \iiint \frac{1}{2} (\bar{E} \cdot \bar{D} + \bar{H} \cdot \bar{B}) d_s d_t d_{m_p} \tag{3}$$

$$\lim_{d \rightarrow +\infty} d = \lim_{vol \rightarrow 0} \frac{m_{rf}}{vol} \tag{4}$$

Developing:

$$\bar{F}_a = -m_{rf} \lim_{\substack{v \rightarrow c \\ m \rightarrow m_p}} [\bar{\nabla}(v^2)] \tag{5}$$

Where:

$$v^2 = G \frac{m}{s} \tag{6}$$

Obtained:

$$\frac{\partial}{\partial s} \left(G \frac{m}{s} \right) = -G \frac{m}{s^2} = -\frac{v^2}{s} \tag{7}$$

$$\frac{\partial}{\partial t} (v^2) = -\frac{v^2}{t} \tag{8}$$

$$\frac{\partial}{\partial m} \left(G \frac{m}{s} \right) = \frac{G}{s} = \frac{v^2}{m} \tag{9}$$

$$\bar{F}_a = \bar{\mathfrak{z}} \iiint \left(\frac{\hat{s}}{s} + \frac{\hat{t}}{t} + \frac{\hat{m}}{m_p} \right) d_s d_t d_{m_p} \tag{10}$$

Taking (3) and (10) into (1) one obtains the photo electromagnetic effect Equation:

$$\left(\frac{\hat{s}}{s} + \frac{\hat{t}}{t} + \frac{\hat{m}}{m_p} \right) = \frac{-\bar{\nabla}(\bar{E} \cdot \bar{D} + \bar{H} \cdot \bar{B})}{(\bar{E} \cdot \bar{D} + \bar{H} \cdot \bar{B})} \tag{11}$$

Applications

The photo electromagnetic effect is manifested on a cosmic scale when the light, that is electromagnetic wave and particle at the same time, is wrenched from stars by the pulling power of black holes, being carried by the dark energy $\bar{\mathfrak{z}}$ into these black holes, which exist in the gravitational center of galaxies, where the light is definitively stored as dark matter m_r . It is also because of the photo electromagnetic effect that the contracting universe evolves to a point of singularity.

As has been said previously, the arrival of light in the black holes on a cosmic scale creates a clear cloud in the central part of the galaxies, interpreting by Dias as quasars in formation.

Equation (11) also shows that the light in motion causes gravitational waveform.

Fourth secret has to do with the Solar System

The Newtonian mechanics [10] is said to be traditional and outdated, because it was established 302 years ago, in 1687. However, it is my duty as a scientist to show that Newtonian mechanics [10]

has always been updated with respect to its representativeness for the universe's evolution.

Newton [10], established the universal gravitation law as the acceleration that is extracted of minus gradient in the third dimension, when it is applied to a scalar function (6) that explains gravity. Exemplifying with the solar system (Figure 4): As Newton [10] takes into account in the application of the gradient, only the space taken as variable, the planets should have the same constant orbit around the sun.

According to Figure 4 the planets were really gravitating towards the sun and, occasionally, the planets are absorbed by the sun itself, as indicated by the unit vector $(-\hat{s})$ of the gradient pointing to the sun, where the universal figure of the hyperboloid place the planets orbiting on different planes in relation to the sun.

It is said that the sun will expand by consuming the planets. Dias states that the planets gravitating around and toward the sun will be consuming by contraction of the space rather than expansion of the sun.

Fifth Secret has to do with Hubble's Astronomical Observation

Prior to Hubble [11] it was thought that the universe was restricted to the galaxy Milky Way. Hubble [11] was the pioneering astronomer, who observed for the first time, from a telescope mounted on Earth, the universe spreading out of the Milky Way. His observation could have been an immeasurable advance for astronomy if they were not misunderstood by him.

The galaxies observed by Hubble [11] were all moving with ever increasing orbital velocities as they moved away from Earth, where the reddish color of the Doppler effect was always verified in this observation [5]. The galaxies were really gravitating towards the black hole called here the Big Hole [5] located at the gravitational center of the universe's figure of a hyperboloid of revolution at the fifth dimension, representing the universe in contraction (Figure 3).

Hubble [11] when interpreting his astronomical observation as the universe was expanding delaying the progress of astronomy for 90 years.

Discussion and Conclusion

- The universe looks like the figure of a hyperboloid at the fifth dimension in its smallest details.
- The Big Bang Explosion was triggered by purely mechanical process caused by the collapse of gravity. The force of gravitational attraction turns into a force of repulsion when the universe evolves to a point of singularity.
- The appearance of black holes is a mark in the history of the universe, representing the transition from the anti-gravitational expansion cycle to the contraction cycle. The universe is really contracting.
- It is only in the contractionary gravitational universe that life arises.
- The mysterious dark energy of a contractive, implosive and cold nature is related to gravity acceleration of black holes, inclusive related to the black hole called here the Big Hole, that unifies the universe in contraction with their respective galaxies, from its gravitational center where it is located.

- The mysterious dark matter, which is stored into black holes, safeguarded by the law of conservation of the mass and energy, it is independent of being the black holes point of singularities.
- Quasars in formation are very common entities, being recognized by the clear clouds that appear around black holes, in the central part of galaxies. These clear clouds are formed by the arrival of light about to enter the black holes.
- The Big Crunch process causes the black holes to be swallowed by the Big Hole, which in turn evolves to a point of singularity at the end of the contracting universe, which explodes into a new Big Bang and everything starts over.
- The photo electromagnetic effect is manifested on a cosmic scale when the light, that is electromagnetic wave and particle at the same time, is wrenched from stars by the pulling power of black holes, being carried by the dark energy into these black holes, where the light is definitively stored as dark matter.
- It is also because of the photo electromagnetic effect that the contracting universe evolves to a point of singularity.
- The galaxies observed by Hubble were really gravitating towards the black hole called here the Big Hole, which unifies the universe in contraction.

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