



Changes in the Gravitational Structure of the Earth, Causes and Results, According to the Theory of New Axioms and Laws

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Abstract

The present work uses a theory of new Axioms and Laws by the same author. This theory contains 2 new Axioms and 8 new Laws and is an extension of the Classical Field Theory. The extension is such that it easily explains both Gravity and gravitational phenomena, as well as the structure and variety of gravitational bodies.

On this basis, the structure of the Earth is described as a passive type of gravitational body and its generation by the Sun as an active type of gravitational body. Changes in the gravitational structure of the Earth are associated with changes in the structure of the Sun. And the reason for the changes in the structure and behavior of the Sun lie outside our luminary.

As a result of the changes inside the planet Earth, the radius of the hot magma ball increases and the thickness of the hard and cool shell of the planet decreases. This change is drastic and causes well-known and very alarming phenomena on Earth.

These phenomena are the result of irreversible changes in the gravitational body of the Earth. And the reasons for these changes are easily explained by the Theory of New Axioms and Laws, which is a significant extension of the Classical Field Theory.

Keywords: Earth; Gravitational Body; Sun

Introduction

Classical field theory is based on a single axiom

$\text{div rot } E = 0$. Maxwell's laws of 1864 are valid only in the case that vector E moves uniformly with constant speed and describes a closed loop (Landau L.D., E.M. Lifshitz, 1975. The Classical Theory of Fields (Volume 2 of A Course of Theoretical Physics), 4 Edition., Butterworth-Heinemann). Therefore the Electromagnetic Field is described only for uniform move of vector E with constant speed.

In this report is proposed the Extended Field Theory with 2 new Axioms and 8 Laws.

The first new Axiom is

$\text{div rot } E \neq 0$. It states that if vector E moves monotonically unevenly (monotonically accelerating or monotonically decelerating), it describes an open vortex [1-3].

An open vortex can be in 2D and is called a transverse vortex. It forms and carries mass and is visible to an outside observer because it reflects transverse light waves.

An open vortex can exist in 3D and is called a longitudinal vortex. It does not form mass, it only carries energy and is invisible to an outside observer because it does not reflect transverse light waves. The reason is that the transverse light waves form diffraction by bypassing the thread of the longitudinal vortex and continue at the same speed and in the same direction [3,4].

Thus, 4 types of vortices are obtained - transverse, which can be accelerating or decelerating, and longitudinal, which can also be accelerating or decelerating [4,5].

Open vortices exist in nature as complex combined longitudinal-transverse and transverse-longitudinal structures.

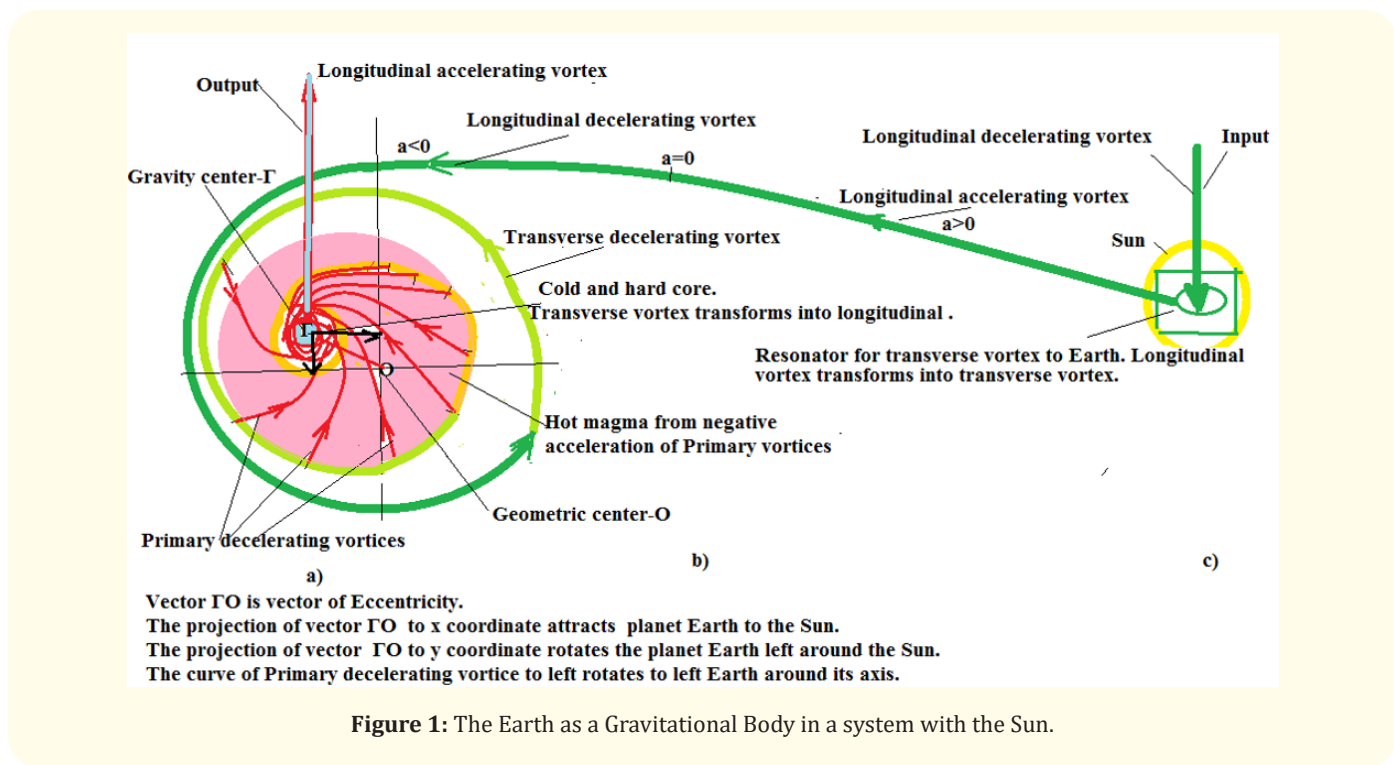
- In the longitudinal-transverse vortex, the longitudinal vortex can be accelerating or decelerating, as well as outside-in or inside-out (4 types). The transverse vortex can be accelerating or decelerating, as well as outside-in or inside-out (4 types). Therefore, each of the longitudinal-transverse combined structures can have 2^4 varieties.
- In the transverse-longitudinal vortex, the transverse vortex can be accelerating or decelerating, as well as outside-in or inside-out (4 types). The longitudinal vortex can be accelerating or decelerating, as well as outside-in or inside-out (4 types). Therefore, each of the longitudinal-transverse combined

structures can have 2^4 varieties. But not all pairs of varieties can make system [4-6].

The second axiom states

that open vortices can exist as pairs of mutually orthogonal structures (longitudinal-transverse and transverse-longitudinal or vice versa) that work as a generator and a consumer in resonance mode [5].

The following are 8 Laws which the author will describe in the course of the application of the new Axioms and Laws in the Theory for the generation of Gravitational bodies such as the planet Earth (Figure 1) [6-8].



Description of the process of generating the Earth as a Gravitational Body

- The incoming funnel of longitudinal vortices to the Sun is decomposed in 4 different resonators inside the plasma sphere of the Sun into 4 different longitudinal vortices - one for each of the inner planets. The third planet after Mercury and Venus is the planet Earth. Thus, the resonator of the Earth is almost an ideal cube - with equal height and width. We know that a

cube inscribed in a sphere has the maximum volume. Therefore in this cube there is a maximum amount and optimal quality of balanced energy (the longitudinal vortex is equal to the transverse one). Thus, the Earth has a privileged position among the rest of the inner planets [8,9].

- According Law2 in this cube, the corresponding longitudinal (input) vortex is transformed into a transverse (output) vortex (Figure 1c) [6-8]. In this specific case, according Law 2, the

decelerating longitudinal (input) vortex generates an accelerating transverse (output) vortex. As a result, it is launched in the form of a longitudinal, invisible vortex accelerating towards the Earth (Figure 1c). During its movement, this accelerating vortex loses energy, begins to lag and becomes decelerating vortex (Figure 1a) [10].

- According Law1 towards the entrance of the Earth, this decelerating vortex begins to stop. When stopping at this point in Space at this particular distance from the Sun, this vortex begins to wind up transversely–decelerating and form the body of the Earth, similar to a toroid [11,17,18]. In the center of this toroid, a longitudinal vortex is generated, perpendicular to the plane of the toroid. Thus, the transverse vortex is transformed into a longitudinal one according to Law 1. In this specific case, the decelerating transverse vortex generates in its center an accelerating longitudinal vortex outwards (Figure 1a). The reason for to generate a longitudinal vortex in the center of the toroid is that so called primary transverse vortices are emitted from the periphery to the center and they are phased in Time and Space.
- According to Law 5, every decelerating vortex radiates decelerating vortices outward, called primary vortices. They are called primary vortices because they are an open vortices according, Gravity field. The closed vortices, according Classical Field Theory form Electromagnetic field. But open vortices are the reason for closed vortices. Therefore the primary vortices are the reason for the secondary vortices
- It should be noted that the greater the negative acceleration of the main vortex, the greater the amplitude of the radiated vortices (Figure 2 c, d) [19]. For comparison - according to Law 6, each accelerating vortex sucks accelerating vortices inwards, towards itself [10,11].
- The described delayed and primary vortices, emitted from the periphery inward, due to strong negative acceleration towards the end (inward), increase the temperature and keep the interior of the Earth hot and in a liquid state [8]. At the same time, due to the weak negative acceleration at the beginning of the primary vortices, the periphery is cold and hard (Figure 1a).
- In the center of the Earth's toroid the primary decelerating vortices are phased. According to Law 1 in center the longitudinal acceleration vortex is generated. That is why in center a cold and hard core is formed. The reason is that the longitudinal acceleration vortex sucks in, according to Law 6, the

transverse vortices towards itself and carries heat away out of the body of the toroid and thus cools the center of the toroid [9,11]. This accelerating longitudinal vortex is related to the third outer planets (Uranus) but the author will not describe this problem now.

Current changes in the Earth in relation to the changes in the parameters of generation

The classical state of the Earth has been studied and described by the Earth sciences for many years. Due to a lack of information, the study is in the form of a description of the phenomena. This means that the external signs and qualities of the phenomenon are described, not their causes.

Thus, without going into details, it is established that the classical state of the Earth is described approximately and in detail exactly (Figure 2a). The hot ball of magma is located in the opening of the solid toroid [11,14,15].

The scientists found that in its current state (Figure 2c), this ball of hot magma has a larger radius than the radius of the magma ball in the classic Earth state (Figure 2a).

Therefore, the phenomenon is that the ball of magma swells and thins the hard crust of the Earth.

The explanation of this phenomenon is possible by using the Theory of new Axioms and Laws of 2 Axioms. It represents a strong extension of the Classical Field Theory, as the extension also explains the phenomenon of Gravity. The phenomenon of Gravity includes both low-frequency generation of gravitational bodies (in the Earth-Sun system) and high-frequency generation of the gravitational bodies' own Gravity (the apple-to-Earth effect) [13].

The reason for the classic (previous) state of the Earth is that the decelerating vortex entering the Earth have had a large negative acceleration. Therefore, the primary vortices emitted from the periphery - inward have had a larger amplitude (Figure 2c). So they form a hot sphere with smaller radius (Figure 2a).

The reason for the current (now days) state of the Earth is that the input signal becomes less decelerating, with less negative acceleration. Therefore, the primary vortices emitted from the pe-

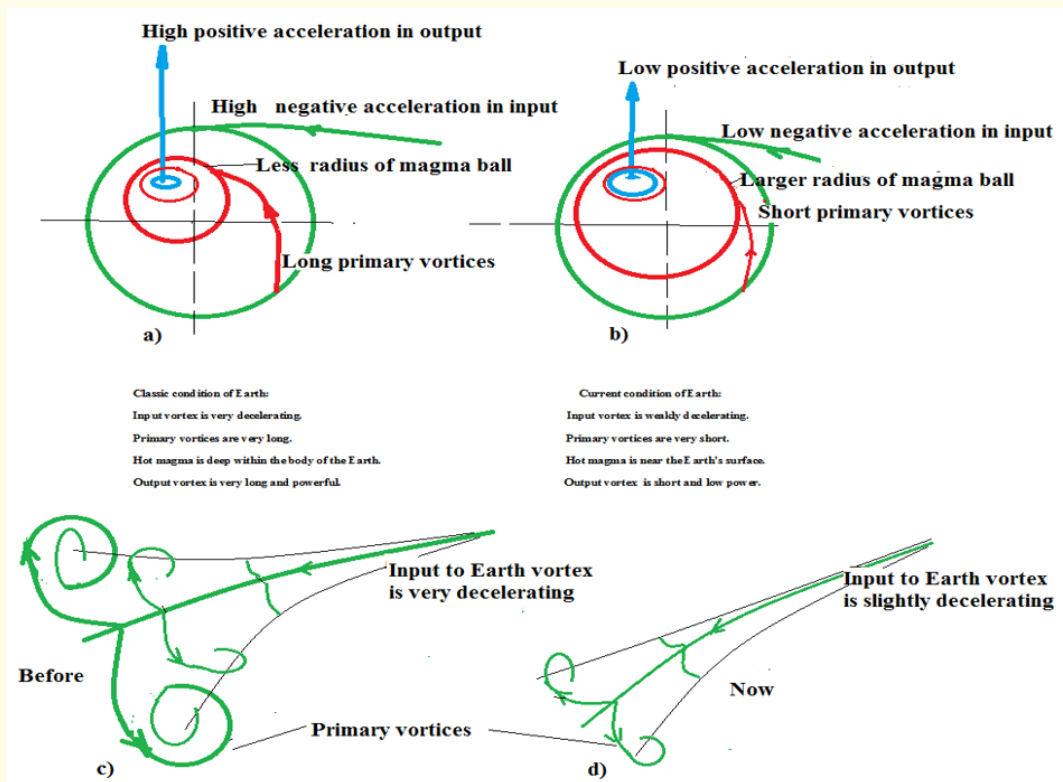


Figure 2: Changes in the Earth's gravitational structure.

riphery - inward have a smaller amplitude (Figure 2d). So they form a hot sphere with larger radius (Figure 2c).

According to Axiom 2, the orthogonal Sun-Earth pair forms a generator-consumer system and operates in resonance mode. Therefore, the cause of changes in the Earth as a consumer must be sought in the Sun as a generator. At the present time, the Sun has changed its position relative to the rest of the Galaxy. This change also includes a change in the tilt of the axis. Therefore, the Sun is now fed by a new source of longitudinal vortices. This longitudinal vortex has less acceleration. According Law2 the generated and a transverse vortex shot towards Earth has less acceleration.

Conclusion

Nowadays, the swelling of the ball of hot magma and the reduction of the thickness of the solid crust of the Earth is the cause of many negative phenomena. For example these phenomena are the disappearance of water, the expansion of the area of deserts, the

increase in the activity of volcanoes and earthquakes, the emission of harmful emissions into the atmosphere, a general increase in temperature etc. The changes do not threaten the integrity of the planet, but they threaten life on Earth, the extinction of many species of flora and fauna.

It is expected that the scientists, by introducing new technologies, could reduce the negative impact of recent changes of the planet Earth. But they can only change the external parameters (for example the atmosphere), but they cannot change the internal parameters (for example the internal structure). The internal structure remains unchanged. Not only that - the internal structure will develop in the worst case scenario.

This means that the hot sphere will expand and the hard shell will thin out. The reason for this is that the Sun will continue to be powered in its input by the new sources of energy with an ever - decreasing acceleration. This phenomenon will continue to deepen

the crisis in the Earth's structure or the hot sphere will continue to expand and the hard shell will continue to thin out.

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