

<※ The document shown below is additional supplement on the partial contents for the thesis “**1. Flaws of Newton’s Mechanics and Distorted Concepts Adopted by Modern Physics**” introduced earlier.>

Significant common defects of classical physics and modern physics, and necessity of new alternatives.(26)

- (For new advances and reflection of physics) -

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Abstract

1. In the initial prerequisite to adopt the law of universal gravitation, Newton stated that the position of the apple(m_A) and an earth(m_E) is relative and the gravitation of the earth is combined with that of an apple. However, in the mathematical formula($\frac{m_A \times m_E}{r^2} = m_A \times \frac{m_E}{r^2}$) of universal gravitation, the motion of an apple(m_A) pulled by the earth’s gravity($\frac{m_E}{r^2}$) was only reflected but that of the earth(m_E) pulled by the apple’s gravity($\frac{m_A}{r^2}$) was omitted. In short, the operating principle and the mathematical formula($\frac{m_A \times m_E}{r^2}$) of universal gravitation were comprised of a logic under different conditions.

2. The quantum mechanics of modern physics adopted a distorted concept of the law of universal gravitation and provided the world view of physics with a chance to evolve anomalously. As an example, there is no differentiation between elementary particles P_1 pulling with gravitation and elementary particles P_2 pulled by gravitation. However, the role of elementary particles P_1 pulling with gravitation is entirely different from that of elementary particles P_2 pulled by gravitation. In short, elementary particles

P_1 pulling with gravitation creates an field energy($\frac{P_1}{r^2}$) while elementary particles P_2 pulled by gravitation has response functions to an field energy ($\frac{P_1}{r^2}$).

3. The physical quantity of pulling elementary particles P_1 and pulled elementary particles P_2 due to the force of gravity changes in different rates. In addition, The changing effect of the physical quantity of two elementary particles(P_1, P_2) should be expressed in different type of equation. Also, the sequential progress(or background and condition of the operation) of the movement of elementary particles P_1 and P_2 must be handled individually. Therefore, in the process of expressing the interaction between elementary particles P_1 and P_2 , the formula $\frac{P_1 \times P_2}{r^2}$ is removed, and as a new alternative, two formulas $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ must be introduced simultaneously.

4. all elementary particles are not made up of hard solids, but repeat the "autonomous vibration(Self vibration)" of contraction and expansion in perpetuity. In addition, the elementary particles of autonomous vibration simultaneously have a function of producing field energy(nuclear field, electric field, gravity field) and an additional function of reacting to that field energy. In other words, The field energy has a pure spatial function, and the field energy of that spatial function allows for the conditions under which the elementary particles of autonomous vibration can autonomously move. All movements of these elementary particles are made by the process of autonomous displacement. In addition, In the process of autonomic movement of the elementary particles, the preservation of kinetic energy and the change of movement speed(or the change of direction) are

determined only in the inside of moving elementary particles. For example, the effect of combined vector of two directional movement energies is achieved inside elementary particles.

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※ **Words of Reference** – In the body of the thesis, the opinions in the Quantum mechanics are denied and an alternative will be given. The author hopes that the Quantum mechanics in position of the disposal should be excluded from the basis of judgment.

I. Introduction

The law of universal gravitation argued by Newton describes the operating principle of gravity and shows its effect in mathematical formula($\frac{m_A \times m_E}{r^2}$).
However, the mathematical formula of universal gravitation contains only a part of the descriptive contents and omits another part of it. The argument presented by the author can be conveniently understood by the process of universal gravitation's mathematical formula($\frac{m_A \times m_E}{r^2}$) resolution in an inverse operation.

In case of formula resolution of universal gravitation composed of $\frac{m_A \times m_E}{r^2}$,

the result of resolution concluded to $m_A \times \frac{m_E}{r^2}$ (or $m_E \times \frac{m_A}{r^2}$). Also, in the

structural property of $m_A \times \frac{m_E}{r^2}$, it can be discovered that the mass of an apple m_A is conserved as its original scale but the mass of the earth m_E reduces at the rate of $\frac{1}{r^2}$.^[15] <http://batangs9.com/E-15.pdf>

The formula, $m_A \times \frac{m_E}{r^2}$, gives a crucial evidence in the process of understanding the operating principle of gravity. In other words, as the formula $m_A \times \frac{m_E}{r^2}$ stands for, it only describes the process that the mass(m_A) of an apple is being pulled by the gravitation($\frac{m_E}{r^2}$) of the earth and omits the process that the mass(m_E) of the earth is being pulled by the gravitation($\frac{m_A}{r^2}$) of an apple. This reflects that the falling motion of an apple and that of the earth are not combined into a vector.^[14] <http://batangs9.com/E-14.pdf>

All objects(elementary particle) in the earth creates gravitational energy, and exists in a state of spatialization. The gravitational energy of spatialization contactually acts on the mass of an apple, inducing a kinetic effect(Free fall) to the apple. The falling motion of an apple and that of the earth proceed as an independent system in here. This theory means that the mass of an apple and that of the earth are not directly connected, contrary to Newton's argument.

The distorted concept in the law of universal gravitation implicitly was passed on to the theory of relativity and quantum mechanics and provided a confusing situation. It is because every means of description is composed in the form of $\frac{m_A \times m_E}{r^2}$ as the formula for universal gravitation.

In this study, a logical error in the law of universal gravitation will be established. Also, the process of passing on the distorted concept of the universal gravitation to the theory of relativity and quantum mechanics will be presented and the necessity for an alternative in a new paradigm for the theory of relativity and quantum mechanics will be explained.

II. Body

1. Misunderstanding and Confusion over Newton's

Universal Gravitation

Newton discovered universal gravitation acting mutually between two objects and described the effect of universal gravitation in the formula,

$$F = G \frac{m_A \times m_E}{r^2} \dots\dots\dots (1)$$

In this formula, F is a scale of gravitation(motion force), G is a constant, m_A is the mass of an apple, m_E is the mass of the earth, and r is the distance between the apple and the earth.

In the descriptive operating principles of universal gravitation, the relative position of an apple and the earth and the functional connection of an apple's mass and the earth's mass are required. The subject that pulls with gravitation and the one pulled by it are not differentiated in here.

The mass of an apple has a response function on gravitation and keeps its value conserved. However, the gravitational energy of the earth pulling the mass of an apple is in inverse proportion to the square of distance($\frac{1}{r^2}$). The motion(gravitation) of an apple being pulled towards the earth should be described as:

$$F = G(m_A \times \frac{m_E}{r^2}) \dots\dots\dots (2)$$

Also, the motion of the earth pulled toward an apple should be described as

$$F = G(m_E \times \frac{m_A}{r^2}) \dots\dots\dots (3)$$

As the structures of formula (2) and (3) stand for, sequential process (response function) pulled by gravitation and the process pulling (dominant function) with it go through an entirely different procedure.^[14]

<<http://batangs9.com/E-14.pdf>>

The final results of formula (2) and (3) have one thing in common, to be concluded in a form of formula (1) and are not differentiated in the view of quantitative value. Thus, the structure of formula (1) embracing the final results of both formula (2) and (3) can be utilized representatively.

However, the sequential process of formula (2) has to be strictly differentiated with that of (3). As an example, gravitation of the earth with the process of formula (2) is reduced to the scale of $\frac{m_E}{r^2}$ and that of the earth with the process of (3) is reduced to the scale of $\frac{m_A}{r^2}$.

Gravitational energy ($\frac{m_E}{r^2}$) of spatialization exists as an independent phase after completely getting out of elementary particles (m_E). In addition, the energy in an independent phase acts contactually on other reactive elementary particles. Therefore, a sequential process of formula (2) and that of (3) are not allowed to have functional connectivity.

If the falling motion (gravitation) of an apple towards the earth and that of the earth towards an apple combines into a vector, another object, as a subject, has to be placed in the middle point between them. The motion of the object affected by the gravitation of an apple and the earth simultaneously can be described as an aggregate structure in here,

$$(m_A \times \frac{m_E}{r^2}) + (m_E \times -\frac{m_A}{r^2}) \dots\dots\dots (4)$$

This falling motion (Free fall) of an apple (m_A) and falling motion of the earth (m_E) proceed to an independent system and do not interfere mutually.^[14]

<<http://batangs9.com/E-14.pdf>>

2. New proposal for an alternative to the Theory of Relativity and Quantum Mechanics

In modern physics' theory of relativity and quantum mechanics, each elementary particle's physical quantity is in an inverse proportion ($\frac{1}{r^2}$) to the square of the distance (r), and it is recognized that the physical quantity of two interactive elementary particles (P_1, P_2) is directly connected each other. The basic concept and descriptive operating system of quantum mechanics (or the theory of relativity) are composed of the logic with the same conditions.

In case the physical quantity of two elementary particles (P_1, P_2) interact with each other, like the basic concept of quantum mechanics and descriptive operating principle of universal gravitation, the mutual gravitation of two elementary particles is described in the form of

$$F = G \left(\frac{P_1}{r^2} \times \frac{P_2}{r^2} \right)$$

$$F = G \frac{P_1 \times P_2}{r^4} \dots\dots\dots (5)$$

However, the gravitation of two elementary particles observed practically is not in inverse proportion to the biquadrate of distance ($\frac{1}{r^4}$) but to the square of distance ($\frac{1}{r^2}$). In case the gravitation of two elementary particles is not in inverse proportion to the biquadrate of distance, the basic concept of quantum mechanics postulating that the relations of two elementary particles are in relative position should be discarded.^{[8], [9]} <<http://batangs9.com/E-8.pdf>>

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All kinds of elementary particles create and emit an field energy of spatialization permanently. Also, the field energy of spatialization supplies environmental condition for other elementary particles to move autonomously. In short, every elementary particle has a response function on field energy and a production function of field energy, simultaneously. The new model of elementary particles in this condition is minutely described in the author's present works(Title: Absolute Theory: Volume I and II). [3]. [7]

<http://batangs9.com/E-7.pdf>

Elementary particles(electrons) absorb light wave sat the speed of light and emit it in an instant. This effect means that the activation energy at the speed of light works in the present state inside of elementary particles. Here, the activation energy of elementary particles creates an energy field of spatialization infinitely. Therefore, if each elementary particle is assumed to have an activation energy, various conundrums of elementary particles can be answered by a simple theory.^[18] <http://batangs9.com/E-18.pdf>

In the process of expression of “**electric force kinetic effect**”, electrons' activation energy and electropositive wave of spatialization act contactually. Here, if it is assumed that the activation energy of electrons is E_s , the electropositive wave created by protons is W_a , and the distance between protons and electrons is r , the kinetic force F_e of electrons should be described as:

$$F_e = E_s \times \frac{W_a}{r^2} \dots\dots\dots (6)$$

Each of the descriptive operating principles and mathematical formulas described in the law of universal gravitation is composed of logic with different conditions. In addition, in a descriptive operating principle of the theory of relativity and quantum mechanics which adopted the distorted concept of physical phenomenon, the sequential process of a physical phenomenon is not explained in a substantive functional view. Thus, a new

theory should be pioneered to replace the theory of relativity and quantum mechanics.

In the quantum mechanics of modern physics, the interaction between elementary particles of P_1 and P_2 were shown through the formula $\frac{P_1 \times P_2}{r^2}$, and in the process of introducing the formula $\frac{P_1 \times P_2}{r^2}$, the precondition was that the movements of two elementary particles(P_1, P_2) were integrated into one system. Therefore, elementary particles P_1 that are pulled by the gravitational influence and elementary particles P_2 that are pulling cannot be distinguished.

However, in actual situation, the movements of elementary particles of P_1 and P_2 are performed independently. In other words, the movements of two elementary particles(P_1, P_2) are enabled individually. Therefore, to show the interaction of elementary particles of P_1 and P_2 in detail, the formula $\frac{P_1 \times P_2}{r^2}$ must be removed, and as the new alternative, formulas $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ must be applied simultaneously. Here, the formula with the structure of $\frac{P_1 \times P_2}{r^2}$ is substituted in the form of $P_1 \times \frac{P_2}{r^2}$ (or $P_2 \times \frac{P_1}{r^2}$).^{[14], [17]}

<<http://batangs9.com/E-14.pdf>>, <<http://batangs9.com/E-17.pdf>>

In the formula $P_1 \times \frac{P_2}{r^2}$ that shows the movement of elementary particles, P_1 is the physical quantity(charge, mass, inertia force) of elementary particles that are pulled, and $\frac{P_2}{r^2}$ shows the change in the field energy(electric field, gravity field and magnetic field, etc.) that is pulling. Also, P_2 is included in the structure of the

formula $\frac{P_2}{r^2}$ that shows the value of the field energy, but P_2 in $\frac{P_2}{r^2}$ reflects only the dynamic function of the field energy. Therefore, P_2 included in the formula $\frac{P_2}{r^2}$ and P_2 that signifies the body of elementary particles must be considered as different subjects.^{[8], [14]} <<http://batangs9.com/E-6.pdf>> <<http://batangs9.com/E-14.pdf>>

The field energy of $\frac{P_2}{r^2}$ is produced by the role of elementary particles P_2 . Also, the field energy of $\frac{P_2}{r^2}$ is spread(exist) by using the characteristics (spatial property or spatial function) of the universal space. Therefore, the field energy of $\frac{P_2}{r^2}$ definitely exists in the state of spatialization, and has the change of being inversely proportional to the square of distance(r). In other words, the field energy that is produced by the role of elementary particles of P_2 is reduced in the ratio of $\frac{1}{r^2}$.

In the process of interaction between elementary particles, the movements $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ are performed in the opposite direction of opposition.

One example is that the formula $P_1 \times \frac{P_2}{r^2}$ reflects only the unilateral movement of elementary particles P_1 . In other words, the unilateral movement of elementary particles P_1 is shown as the formula $P_1 \times \frac{P_2}{r^2}$.

Even when there are no other elementary particles P_1 around elementary particles P_2 , the body of elementary particles of P_2 produces the field energy

of $\frac{P_2}{r^2}$ infinitely(permanently), and in this process of producing the field energy, the role of the relativistic elementary particles of P_1 is unnecessary. Also, the field energy of $\frac{P_2}{r^2}$ has activating function(autonomous vibration) operated in the present progressive form at all times.

After the field energy of $\frac{P_2}{r^2}$ that exists in the state of spatialization

 deviates from the body(volume) of elementary particles of P_2 , the relationship

 between the field energy($\frac{P_2}{r^2}$) and elementary particles P_2 is cut off, and

 here, the field of $\frac{P_2}{r^2}$ and the body of elementary particles of P_2 individually

 maintain the separated system independently. In other words, the body of elementary particles of P_2 and the field energy($\frac{P_2}{r^2}$) do not have connective structure.

When elementary particles P_1 enter inside the field energy($\frac{P_2}{r^2}$), the physical quantity(charge, mass and inertia force, etc.) of elementary particles P_1 and the field energy of $\frac{P_2}{r^2}$ act in the contact state of encounter. Also, the field energy of $\frac{P_2}{r^2}$ provides the cause for the movement of the body of elementary particles of P_1 . Therefore, the body of elementary particles of P_1 and the body of other elementary particles of P_2 do not interfere(react) directly.

The body of elementary particles of P_2 produces the field energy of $\frac{P_2}{r^2}$,

and the field energy of $\frac{P_2}{r^2}$ is transferred to other elementary particles of P_1 unilaterally. Therefore, claimed in the theory of relativity(or quantum mechanics), the relationship between elementary particles of P_1 and P_2 cannot have equal condition(position) of relative composition. Also, the field energy of $\frac{P_2}{r^2}$ that transfers(shifts) in any unilateral direction is the only existence between elementary particles P_1 and P_2 . This field energy of $\frac{P_2}{r^2}$ induces the movement of the relativistic elementary particles of P_1 . When the field energy of $\frac{P_2}{r^2}$ does not exist here, the body of elementary particles of P_2 cannot be involved(intervened) directly on the movement of the relativistic elementary particles of P_1 .^[8] <<http://batangs9.com/E-8.pdf>>

The relationship of elementary particles P_1 and other elementary particles P_2 is not connected through one system(organization), because the interacting directions of the two field energies($\frac{P_1}{r^2}$, $\frac{P_2}{r^2}$) produced each by elementary particles P_1 and other elementary particles P_2 are crossed interactively, and because the two field energies each have different value individually. In other words, there is no single system of energy(force) for controlling the two movements of elementary particles P_1 and P_2 comprehensively. Therefore, two formulas of $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ are required simultaneously to show the relationship between elementary particles of P_1 and P_2 in detail.^[9]

<<http://batangs9.com/E-9.pdf>>

The two formulas of $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ that show the relationship

between elementary particles of P_1 and P_2 have separated structures independently, and also, the movements of elementary particles of P_1 and P_2 are each performed in different system. Here, the two field energies of $\frac{P_2}{r^2}$ and $\frac{P_1}{r^2}$ do not react interactively, and are not connected(integrated) functionally.

In the process of basic interaction being occurred on elementary particles, the field energies of $\frac{P_2}{r^2}$ and $\frac{P_1}{r^2}$ are transferred into each different path(opposite direction). Also, the two movements of $P_1 \times \frac{P_2}{r^2}$ and $P_2 \times \frac{P_1}{r^2}$ cannot be synthesized into one vector. Therefore, the formula of universal gravitation enabled in the form of $\frac{P_1 \times P_2}{r^2}$ must be removed, and in other words, the formula $\frac{P_1 \times P_2}{r^2}$ does not have the subject for expression.

As claimed in the quantum mechanics, the role of the field energy such as the electric field, gravity field and nuclear field is unnecessary when the basic interaction of elementary particles is occurred as the interactive exchange of mediators. On the other hand, as claimed in the theory of relativity, the role of the mediators such as gauges, bosons, gravity, mesons and gluons is unnecessary when the basic interaction of elementary particles is occurred by the induction of the field energy.

However, the simultaneous existence of the mediators and the field energy is allowed(acknowledged) in modern physics. Here, the existence of the mediators and the field energy have exclusive significance, and cannot coexist simultaneously. Therefore, the unified theory of field integrating the

quantum mechanics and the theory of relativity cannot be established normally.^[25] <<http://batangs9.com/E-25.pdf>>

The function of elementary particles P_2 permanently produces and supplies the field energy of spatialization($\frac{P_2}{r^2}$). Also, the movement of the relativistic elementary particles P_1 is enabled by the process of the field energy of spatialization and other elementary particles P_1 acting in contact state. In other words, the single system of force connected in the form of opposition does not exist between elementary particles P_1 and P_2 . Therefore, the body of elementary particles of P_1 cannot pull or push other relativistic elementary particles of P_2 directly.^[7] <<http://batangs9.com/E-7.pdf>>

As claimed in the quantum mechanics, the overall path distance of the mediator has the scale of $2r$ when one mediator is exchanged in reciprocating form between elementary particles P_1 and P_2 . Therefore, the physical quantity of elementary particles P_2 delivered by using the mediator must be reduced in the ratio of $\frac{1}{2r^2}$. However, the physical quantity of elementary particles P_2 is reduced in the ratio of $\frac{1}{r^2}$ in the actual condition. This actual condition signifies that one mediator is not exchanged in reciprocating form between elementary particles P_1 and P_2 . In other words, the mediators of gauges, bosons, gravity, mesons and gluons recognized in the perspective of quantum mechanics are only an ideological model of fabrication that does not actually exist.

As described in the previously introduced thesis, "**Fundamental interaction results from autonomous motion of an elementary particle,**" all elementary particles are not made up of hard solids, but repeat the "**autonomous vibration**"

of contraction and expansion in perpetuity. In addition, the elementary particles of autonomous vibration simultaneously have a function of producing field energy(nuclear field, electric field, gravity field) and an additional function of reacting to that field energy. All movements of these elementary particles are made by the process of autonomous displacement. Therefore, the charge, the quark, and the mass, which are perceived from the viewpoint of modern physics, can be regarded as nonexistent. In other words, the charge, the quark, and the mass are only ideal models of fictitious things.^{[13], [25]} <<http://batangs9.com/E-13.pdf>>
<<http://batangs9.com/E-25.pdf>>

The field energy has a pure spatial function, and the field energy of that spatial function allows for the conditions under which the elementary particles of autonomous vibration can autonomously move. In addition, In the process of autonomic movement of the elementary particles, the preservation of kinetic energy and the change of movement speed(or the change of direction) are determined only in the inside of moving elementary particles. For example, the effect of combined vector of two directional movement energies is achieved inside elementary particles.

mediators such as gluons, gauges, bosons, mesons, and gravity are unnecessary in the process of basic interaction. Of course, there is no need for space-time curve model(4 dimensions) and multidimensional logic(11 dimensions). In other words, in the process of the basic interaction, the elementary particles are not displaced(moved) by external interference or influences.^[8]

<<http://batangs9.com/E-8.pdf>>

If the movement of the elementary particles is done autonomously, it is not possible for the attractive power and repulsive power to intervene. In other words, the attraction and repulsion perceived from the point of view of quantum mechanics and the theory of relativity are merely the idealistic act of non-existent fiction. Therefore, quantum mechanics and the theory of relativity

of modern physics, which are applied to the concept of attraction and repulsion should be revised.

III. Conclusion

In Newton's universal gravitation, it is described that the position of an apple(m_A) and the earth(m_E) is relative and the gravitation of an apple and that of the earth are combined(synthesized). However, the mathematical formula of universal gravitation only reflects the kinetic effect of the mass of an apple (m_A) pulled by the gravitation($\frac{m_E}{r^2}$) of the earth unilaterally and omits the kinetic effect of the earth(m_E) pulled by the gravitation($\frac{m_A}{r^2}$) of an apple.

mediators such as gluons, gauges, bosons, mesons, and gravity are unnecessary in the process of basic interaction. Of course, there is no need for space-time curve model(4 dimensions) and multidimensional logic(11 dimensions). In other words, in the process of the basic interaction, the elementary particles are not displaced(moved) by external interference or influences. All movements of these elementary particles are made by the process of autonomous displacement. Therefore, the charge, the quark, and the mass, which are perceived from the viewpoint of modern physics, can be regarded as nonexistent. In other words, the charge, the quark, and the mass are only ideal models of fictitious things, and do not have a functional role in the necessity of existence.

The mathematical formula of the theory of relativity and quantum mechanics has been validly utilized. However, their descriptive operating principles are not established logically as the law of universal gravitation. When it comes to considering the situation of these conditions, it is necessary to re-examine the

validity of the theory of relativity and quantum mechanics.

IV. References

- [1] Jong o, Kim. Mullihak Chongnon 1 bu, 2 bu. (Gyohaksa. Seoul. 1984).
- [2] young sik, kim. Jungryeokiran Mueosinga. (Jeon Gwang. Seoul. 2001).
- [3] young sik, kim. Jeoldaeseangiron 1 gwon, 2 gwon. (Ujuwa Gwahak. Gyeonggido. 2012).

V. References of the Cyber site

- [1] young sik, kim. <Flaws of Newton's Mechanics and Distorted Concepts Adopted by Modern Physics>. 2016. <<http://batangs9.com/E-1.pdf>>
- [2] young sik, kim. <The Defect in the Special Theory of Relativity and the Formulation of the Absoluteness Theory>. 2016. <<http://batangs9.com/E-2.pdf>>
- [3] young sik, kim. <Spatial Independence of the Earth's Gravitational Field and Fabrication of the Law of the Constant Speed of Light>. 2016. <<http://batangs9.com/E-3.pdf>>
- [4] young sik, kim. <The Fictional Coordinate Concept in the Special Theory of Relativity and the Search for Another Alternative>. 2016. <<http://batangs9.com/E-4.pdf>>
- [5] young sik, kim. <The Necessity of the Absolute Coordinate System and the Verification Method>. 2016. <<http://batangs9.com/E-5.pdf>>
- [6] young sik, kim. <Elements in Space and the Condition for the Existence of Light Waves>. 2016. <<http://batangs9.com/E-6.pdf>>
- [7] young sik, kim. <The Structure and Active Functions of Elementary Particles>. 2016. <<http://batangs9.com/E-7.pdf>>
- [8] young sik, kim. <Interaction between the Active Functions and Electric Forces of Elementary Particles>. 2016. <<http://batangs9.com/E-8.pdf>>

- [9] young sik, kim. <The formation of atomic structure and mathematical expression>. 2016. <<http://batangs9.com/E-9.pdf>>
- [10] young sik, kim. <Active functions of elementary particles and interactions of nuclear force>. 2017. <<http://batangs9.com/E-10.pdf>>
- [11] young sik, kim. <Fictional Perception of Mass and Inertial Force>. 2017. <<http://batangs9.com/E-11.pdf>>
- [12] young sik, kim. <The Deficiency in the Principle of Equivalence and the Need for Alternatives>. 2017. <<http://batangs9.com/E-12.pdf>>
- [13] young sik, kim. <The Active Functions of Elementary Particles and the Principle of Motion>. 2017. <<http://batangs9.com/E-13.pdf>>
- [14] young sik, kim. <The Action of Gravity and Controlled Domination in Outer Space>. 2017. <<http://batangs9.com/E-14.pdf>>
- [15] young sik, kim. <The Structure of Graviton and Spatial Independence>. 2017. <<http://batangs9.com/E-15.pdf>>
- [16] young sik, kim. <Fictitiousness of the expanding universe theory and the search for alternatives>. 2017. <<http://batangs9.com/E-16.pdf>>
- [17] young sik, kim. <The Structure and Functional Characteristics of Electromagnetic Waves>. 2017. <<http://batangs9.com/E-17.pdf>>
- [18] young sik, kim. <Atomic Energy Level and Modulation of Light Waves>. 2017. <<http://batangs9.com/E-18.pdf>>
- [19] young sik, kim. <Various Effects and Working Principles of Light Waves>. 2017. <<http://batangs9.com/E-19.pdf>>
- [20] young sik, kim. <Verification method of causes which reduce light velocity inside a transparent glass>. 2017. <<http://batangs9.com/E-20.pdf>>

- [21] young sik, kim. <The Expression of Magnetic Field and Verification Method of its Operating Principle>. 2018. <http://batangs9.com/E-21.pdf>
- [22] young sik, kim. <Expression of Induced Electromotive Force and Verification Method of its Operation Principle>. 2018. <http://batangs9.com/E-22.pdf>
- [23] young sik, kim. <Verification method on errors in the theory of general relativity>. 2018. <http://batangs9.com/E-23.pdf>
- [24] young sik, kim. <Introduction of invention – Destruction Device of Elementary Particles>. 2018. <http://batangs9.com/E-24.pdf>
- [25] young sik, kim. <Fundamental interaction results from autonomous motion of an elementary particle.>. 2018. <http://batangs9.com/E-25.pdf>

*** Difference becomes specialty, Ideal becomes reality,
at the center of world in the name of center**

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