

## THE Q<sup>2</sup> MECHANICS

Contender for the universal theory (theory of everything)

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DATE: 17-12-2013

### ABSTRACT

We **introduce** the **Q<sup>2</sup> mechanics** based on conscious and consciousness and derive their mechanical principles. We unify between **Q<sup>2</sup>** and units of joule through the principle of dimensional analysis and establish the equation of energy due to relativity principle ( $E = MQ^2$ ). We discuss the unification of everything, through the  $E = MQ^2$  principle of relative measurement through the principle of fine tuned network, the correspondence principle of relative measurements, the principle of constant measurements, the principle of measurement equivalence, the principle of increasing opportunity cost of the path of events. We propose Q<sup>2</sup> mechanics to contend for the theory of everything.

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## **1- INTRODUCTION**

We are all used to different systems of energy regulation and coordination in our daily lives. The work done by our minds when we sleep (dreams), or awake (thoughts) can regulate our physical being. Ordinary examples include; wet dreaming and not so new that people can ejaculate as a result of mental work. People usually wake up in moods that reflect the kind of dreams that they had while asleep.

Sight is processed through the confrontation between the energy of eyes and light, and the confrontation between the energy of ears and light cannot lead to the phenomena of sight. The same applies to hearing. It cannot be processed through the confrontation of the energy of sound and eyes; it can only be process through the confrontation between the energy of sound and ears.

While lightning and thunder are caused at the same time, the difference in the framework of their energy coordination and the influence of their energy regulation lead to the difference in the time of their effect and the impact of their network. And the examples continue.

All the above physical evidences justify the existence of a predictable system of energy coordination and regulation. And this is the foundation of  $Q^2$  mechanics. Thus;  $Q^2$  mechanics is concerned with the prediction and measurements of energy due to the confrontation between conscious and consciousness.

## **2- WHAT IS CONSCIOUS?**

Conscious should not be confused with consciousness which refers to the influence of energy regulation. Conscious in this case is the framework of energy coordination up on which consciousness depends.

## 2.1 THE CONSCIOUS MECHANICS

Conscious mechanics works on the principles of dualism through which the **framework** of energy coordination is predicted and measured. Dualism has been applied by different scholars with different interpretations, but in the case of conscious mechanics, it is applied as the opposite and equilibrium variation of the states of energy. And the principles of dualism due to conscious are the following;

- a) *Explore all possible states of energy coordination based on duality and establish any possible event of this dualism.*
- b) *For every state of energy, there are 1 or 2 events.*
- c) *No two identical events can occupy the same state of energy **at the same time**. This applies equally to the Pauli Exclusion Principle when the very same principle is stated as *no two identical fermions can occupy the same quantum state*.*

The equations of conscious mechanics provide a mathematical setup of predicting energy through dual principle, by determining the topological invariance of this duality in conditions of energy variations. It uses the positive, negative, and or notations (- or +) to account for the logical framework of the **opposite and equilibrium variation** of energy and other mathematical symbols and notations through which this dualism is coordinated and regulated. This is implemented as below:

$$2.2: \frac{E}{\left(\sqrt{E}((+) \text{ or } (---))\right)} =$$

$$2.3 \quad \frac{E}{\frac{1}{+E^2} \text{ or } -\frac{1}{-E^2}} =$$

$$2.4 \quad +E^{1/2} \text{ or } -E^{1/2} =$$

$$2.5 \quad E^{1/2} \text{ or } E^{1/2} = E \text{ or } E^{1/2}.$$

From the equation in 2.5 above,  $E$  denotes energy with in the equilibrium state (which is  $+E^{1/2}$  and  $-E^{1/2}$ ) and  $E^{1/2}$  denotes energy with in the disequilibrium state (which is  $+E^{1/2}$  XOR  $-E^{1/2}$ ). **Note well**, the mechanics of conscious is equivalent to the frame work of energy coordination with in quantum mechanics.

### 3- WHAT IS CONSCIOUSNESS

Consciousness refers to the influence of energy regulation. Though it is academically popular to refer to consciousness as the state of awareness, but I say that awareness is just one form of energy regulation and coordination. Other examples of energy regulation and coordination are motion, life, force, shape, health, charge, growth, decay, deform, color etc.

#### 3.1 THE MECHANICS OF CONSCIOUSNESS

The mechanics of consciousness works on the principle of cause and effect through which the influence of energy regulation is predicted and measured. And the principles of cause and effect due to consciousness are as follows;

a) Events maintains a single state of energy (- - xor +) until they are **confronted** by an event with the opposite state of energy.

b) When two or more feasible events **confront** each other (- - and +), **force** is applied, and change is inevitable

c) “The **acceleration** of a body (**a**) is parallel and directly proportional to the **applied force** on the body( $F$ : applied force), is in the direction of the applied force, and is inversely proportional to the mass  $m$  of the body,  $F =Ma$ .

d) **Force** is applied in opposite direction.

**Note well**; the mechanics of consciousness is equivalent to the influence of energy regulation in classical mechanics

#### 4- UNIFICATION OF MEASUREMENTS AND PREDICTION (THE PRINCIPLE OF DIMENSIONAL ANALYSIS)

Energy **exists** in strings of different events **measured** through the units of joule. These units are a measure of different series of a string's mass, space and time (which we shall call the elements of energy regulation and coordination) in form of a single event. The coordination and regulation of energy as a function of these elements determine the string of events.

the units of joule are a measure of the differences in the series of a given element of energy coordination and regulation of an event.

For example;

The different series of mass occur in units of kilograms, grams, milligrams, tons and others through which the massive content of an event is measured.

The different series of space occur in units of miles, kilometers, meters and others through which the space of an event is measured.

The different series of time occur in units of seconds, minutes, hours, days, weeks, months, years, decade, centuries, millenniums and others through which the amount of time of a given event is measured.

All the above imply that the energy content of a given string of events is coordinated and regulated through mass, space and time.

- a) Mass is a physical quantity that refers to the material content of an event.
  
- b) Space is a geometrical quantity that refers to the total area of an event.
  
- c) Time is a numerical quantity that refers to the total period of an event.

The principle of dimensional analysis postulates that; *scientific predictions should be dimensionally equivalent to physical measurements*. And applying the predictions of  $Q^2$  (as in 2.1 and 3.1) with the units of joule (which is the physical measure of energy), we get;

#### 4.1) $E = MQ^2$

So the equation of energy in its entire admissible reference frame of energy coordination and regulation (relativity principle) becomes  $E = MQ^2$ ; where M is mass measured in kilograms and  $Q^2$  is the velocity of conscious measured in meters per hour (or physically; space – time).

The measures and predictions of energy coordination and regulation through  $E = MQ^2$  depend on the following principles;

**4.2)** The  $E = MQ^2$  principle of relative measurement. This postulates that; the predictions of energy are relative to  $MQ^2$  and the measurements of energy are relative to the reference frame of a given parameter of the string landscape through which energy is measured.

**4.3)** The principle of fine tuned network. This postulates that, the network of energy depend on its conscious. Such that, change in the conscious equals change in the energy network.

**4.4)** The correspondence principle of relative measurements. This postulates that, potential energy produces kinetic energy through momentum. And kinetic energy reduces to potential energy through principle quantum numbers.

**4.5)** The principle of constant measurements. this postulates that; *the energy measurements of conscious depend on the initial and final action of consciousness measured through reduced Planck constant  $\hbar$ .*

**4.6)** The principle of measurement equivalence. This postulates that; the measurements of potential energy are equivalent to the measurements of kinetic energy through **Ma**.

**4.7)** The principle of increasing opportunity cost of the path of events. This postulates that; the conscious between two or more different events will always explore the path of consciousness with the lowest opportunity cost of conscious before turning to those with higher opportunity costs.

## **5)- THE Q<sup>2</sup> MECHANICS APPROACH TO EVERYTHING**

### **5.1) THE STRING LANDSCAPE OF Q<sup>2</sup> MECHANICS**

To realize the string land scape of Q<sup>2</sup> mechanics, we focus our attention on the parameters of string theory land scape and the properties of these parameters, through which the events of mind-body coordination and regulation are mechanized. All events of mind-body coordination and regulation are mechanized through the parameter of conscious and the parameter of consciousness.

In pre- Q<sup>2</sup> mechanics, consciousness is defined through awareness. But when we limit the definition of conscious or consciousness or both to awareness, we also limit its properties as a parameter of string landscape. Awareness exists in different forms and states of Q<sup>2</sup> like thinking, dreaming, sensing, intuition etc (which are just different events of mind-body coordination and regulation).

In post Q<sup>2</sup> mechanics, mind-body coordination and regulation is just a given stable vacuum of string landscape. This can be evidenced by anesthesia, through which the mind –body events are regulated by interfering with the framework of energy coordination leading to what the pre- Q<sup>2</sup> mechanics define as unconsciousness. In post Q<sup>2</sup> mechanics, when someone is in the state of lack of awareness, he is simply out of a given stable vacuum of string land scape but **not** unconscious.

**The  $E = MQ^2$  principle of relative measurements** postulates that; *the predictions of energy are relative to  $MQ^2$  and the measurements of energy are relative to the reference frame of a given parameter of the string land scape through which energy is measured.*

## 5.1. a - ON THE RELATIVE PREDICTIONS OF STRING LANDSCAPE ENERGY

The  $E = MQ^2$  principle of relative predictions postulates that; *the result of any prediction is relative to  $MQ^2$* . This implies that;

5.1. a.1) consciousness reduces to conscious through the principle of dualism, that is to say; since the equation of energy due to conscious is

$$\frac{E}{\left(\sqrt{E}((+) \text{ or } (---))\right)} = E \text{ or } E^{1/2},$$

And the square root of a given quantity is a subset of that quantity,  $E^{1/2}$  is a subset of E. this implies that events with in the disequilibrium state of energy (which is  $+E^{1/2}$  XOR  $-E^{1/2}$ ) are subsets of events with in the equilibrium state of energy (which is  $+E^{1/2}$  and  $-E^{1/2}$ ). At the equilibrium state of energy, the energy level of all different events is measured and predicted through  $E = MQ^2$ .

At the positive state of  $MQ^2$ , all events are measured and predicted through;  $\frac{Ma}{d^2}$ , where d is displacement. This implies that  $+E = \frac{Ma}{d^2}$  where +E is kinetic energy (KE which is the energy of events in motion).

And at the negative state of  $MQ^2$ , all events are measured and predicted through  $\frac{Ma}{d^{-2}}$ , this implies that  $-E = \frac{Ma}{d^{-2}}$ , where -E is potential energy (PE; which is the energy of an events in a given position).

5.1. a.2) conscious produces consciousness through the principle of cause and effect. That is to say that, any conscious equation will produce consciousness through derivation with  $MQ^2$ . For example;

Derivation of  $\left(\frac{Ma}{d^2}\right)$  with  $MQ^2$ ,

$$\frac{Ma}{d^2} = MQ^2$$

$$\frac{Ma}{d} = MQ$$

$$\partial (MV) = MQ$$

$$MV^2 = MQ$$

$$V^2 = Q.$$

Where, Q denotes consciousness.

**Derivation of  $(\frac{Ma}{d^{-2}})$  with  $MQ^2$ ,**

$$\frac{Ma}{d^{-2}} = MQ^2$$

$$\frac{Ma}{d} = MQ$$

$$\partial (MV) = MQ$$

$$MV^2 = MQ$$

$$V^2 = Q.$$

Where, Q denotes consciousness

## **5.1. b) ON THE RELATIVE MEASUREMENTS OF STRING LAND SCAPE ENERGY**

**The  $E = MQ^2$  principle of relative measurements** postulates that, *The measurements of energy are relative to the reference frame of a given parameter of the string land scape through which energy is measured.* This implies that the beginning and end of a given vacuum energy of the string landscape false vacua is measured relatively. Such that; the measures of energy from the reference frame of consciousness is eternal/infinity. From the reference frame of conscious, the measurement of energy is fine tuned.

**5.1.b.1)The principle of fine tuned network;** Fine tuned network is the pre-determined network of energy coordination and regulation. So the principle of fine tuned network postulates that, the network of energy depend on its conscious. Such that, change in the conscious equals change in the energy network. (We shall discuss the principle of fine tuned network in detail during the next chapter)

## 5.2) THE Q<sup>2</sup> MECHANICAL UNIFICATION OF CLASSICAL AND QUANTUM MECHANICS

A particle is trapped with in a fine tuned vacuum of string land scape's false vacua (infinite potential well). This particle can not escape this fine tuned vacuum. This means that the energy of this particle was fine-tuned to be coordinated and regulated with in this vacuum.

**The correspondence principle of equivalent measurements** postulates that, *potential energy produces kinetic energy through momentum. And kinetic energy reduces to potential energy through principle quantum numbers.*

From the reference frame of the conscious of this fine tuned vacuum, the potential energy of this particle will reduce to kinetic energy in form of momentum (accelerating frame of reference). And from the reference frame of the consciousness of this fine tuned vacuum, kinetic energy of this particle will produce potential energy through principle quantum numbers (inertial frame of reference).

## 5.3) THE FINE TUNED PHYSICAL CONSTANCY OF Q<sup>2</sup> MECHANICS

A **physical constant** is “a physical quantity that is generally believed to be both universal in nature and constant in time” Wikipedia. The quantum world has taught us one of the basic facts of energy quantization in form of discrete units called quanta. And the least quantum action is the reduced Planck constant  $\hbar$ .

In Q<sup>2</sup> mechanics, **the principle of constant measurements** postulates that; *the energy measurements of conscious depend on the initial and final action of consciousness measured through reduced Planck constant  $\hbar$ . And when we translate  $\hbar$  into *action<sub>i</sub>* (initial action) and *action<sub>f</sub>* (final actions), then  $action_i \rightarrow action_f = \partial (\hbar +or- \hbar)$  where *+or-  $\hbar$*  is a recurring quantity less than infinity and greater than zero. And this is the universal constant.*

When  $\partial (\hbar +or- \hbar)$  is normalized in form of discreet units as a result of energy quantization, then  $\partial (\hbar +or- \hbar) = \partial (1 +or- 1)$  where *+or-1* is a recurring quantity less than infinity and greater than zero.

So;  $\partial (\hbar +or- \hbar) = \partial (1 +or- 1) = n^2$  (which is the fine tune physical constancy of our universe)

## THE UNIVERSAL ACCELERATION OF Q<sup>2</sup> MECHANICS

In mechanics, particles accelerate. In cosmology, the universe accelerates. The universal and particle acceleration depend on the potential and kinetic energy of their conscious.

**The principle of measurement equivalence** postulates that; *the measurements of potential energy are equivalent to the measurements of kinetic energy through **Ma**.* That is to say;

$KE = \frac{Ma}{d^2}$ , and when kinetic energy is normalized as kinetic conscious, this implies that;

$$\frac{Ma}{d^2} = \frac{Ma}{\sqrt{Ma}((+)or(-))} = Ma \text{ or } Ma^{1/2}$$

$PE = \frac{Ma}{d^{-2}}$ , and when potential energy is normalized as potential conscious, this implies that;

$$\frac{Ma}{d^{-2}} = \frac{Ma}{\frac{1}{\sqrt{Ma}((+)or(-))}} = Ma \text{ or } Ma^{1/2}$$

#### THE ASTRONOMY OF Q<sup>2</sup> MECHANICS

An Event **E** detects event **L** from **D<sub>S</sub>** via **S** by **C**.

The position of **D<sub>S</sub>** will equal to the conscious of **L** from **D<sub>S</sub>** to **E**.

**The principle of increasing opportunity cost of the path of events** postulates that; *the conscious between two or more different events will always explore the path of consciousness with the lowest opportunity cost of conscious before turning to those with higher opportunity costs.*

The conscious of **L** from **D<sub>S</sub>** to **E** is equivalent to the consciousness of **C**.

The consciousness of **C** is **S**.

Using the above scenario to calculate the position of stars, we say that **L** (light) from **D<sub>S</sub>** (distant star) is detected by **E** (earth) via **S** (the conscious of the sun) through **C** consciousness (speed of light).

The position of a **distant star** will equal to the conscious of **light** from **this distant star** to **earth**. The conscious of **Light** from **Distant star** to **Earth** is equivalent to the opportunity cost of the **speed of light**.

The opportunity cost of **the speed of light** is the **conscious of the sun**.

The **conscious of the sun** =  $(\pi r/t) = 3.14 * 700000 / 1296000 = 1.7$ .

The opportunity cost of **the speed of light** via the sun will equal to 1.7 arc sec in the line of sight.

## 11) CONCLUSION

With conscious, all things are; but just different dual states of energy. With consciousness, force is applied in opposite directions. Energy exists in strings of different events measured through the units of joule. These units are a measure of different series of a string's mass, space and time (which we call the elements of energy regulation and coordination) in form of a single event. The coordination and regulation of energy as a function of these elements determine the string of events. And when the equilibrium constancy between energy predictions and measurements which is  $E = MQ^2$  is established, the reciprocal between energy measurements and energy predictions is maintained and the unity of everything is realized.