

The Theory of the Virtual Universe

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Abstract:

In this article we have successfully proven that all massive elementary particles, massless particles, radiation and energy are virtual and made up from space and time. The whole universe is made from space and time. There are no living organisms or non-living objects (stars, planets, galaxies, elementary particle) present in the universe. all are seen as apparent. They are made up from continuously changing space and time. We live in this is virtual universe and all substance seems to us to be apparent.

Introduction:-

From ancient times this question is prominent: Which is the elementary particle of the universe and also of the universe and also which substance is fundamental to this elementary partical.

Heizenberg published his theory of uncertainty. According to this principle, virtual particles are produce from elementary particles. Later on many scientists studied the above questions - Albert Einstein, Hubble and other Scientists have ventured to solve the question, What constitutes our universe. According to new string theory, small strings are the basic substance of universe and according to membrane theory, membranes serve this purpose. But in this article we successfully prove that space and time is a basic substance of the universe and resolve all questions.

We introduced some new and shocking ideas about the universe, and all massive elementary particles i.e. (proton, neutron, electron and quark), massless particles, radiation and energy; basically, that they do not exist as the universe is made up of space and time. If variations or disturbances are produced in space and time then we see apparent matter, massless particles, radiations and energy. All seem to us apparent but they are not present in reality. Only Space and time are present in the whole Universe.

This means that when space and time are present in combination, then waves are produced which change and record themselves continuously as matter and massless particles. This means that we see everything continuously changing or rearranging space and time. Hence where we see massive particles and all living and non-living objects and energy, there is nothing present. There are merely apparent due to the continuously changing and rearranging of space and time. In short, the whole Universe is made up from space and time. We discuss and prove the above statements, such as how all massless particles, radiation and energy are merely apparent. Now we will prove that where there is mass, there is only changing and rearranging space time on the basis of graviton particles.

1) Effect of producing gravitation particles on real elementary massive particle.

All of matter which can we see are made up from atoms and atoms are made up of sub-atomic particles i.e. proton, electron and neutron. Sub-atomic particles are made up of quarks, protons, and neutron which are all merely apparent. It means that there is only continuously changing and rearranging space and time present i.e. the whole universe is arises from space and time. We have given strong support to the above statement with the help of following evidence. How space and time apparently seem to us like matter (massive particles)

According to Einstein, every massive particle produces gravitational force. In other word, we can say that where there is mass, there gravitation.

We have [1]

$$F = mg \quad [I]$$

Where F= gravitational force

m=mass of body

g = acceleration due to gravity.

$$F = \frac{G M_1 M_2}{r^2} \quad [2]$$

where

f = gravitational force

M_1 = mass of body

M_2 = mass of body

r = distance between m_1 & m_2

G = gravitational constant

If we put $f = 0$ in [I] and [II], then we get $m = 0$.

Hence, it is proven that mass and gravitational force are dependent on each other. If gravitational force is zero then mass is also zero or if mass is zero then gravitational force also is zero from equation [I] and [II]

We know about gravitational force that,

- 1) According to Einstein gravitation is a force produced due to the production of a disturbance in space and time.
- 2) According to modern quantum physics, gravitational force arises due to the production of graviton particles from elementary massive particles.

According to modern quantum physics, when elementary massive particles (Proton, Neutron, Electron and Quark) change and rearrange their internal arrangement, that a time graviton carry the sensation of gravitation force [2].

But we know that every elementary massive particle has three dimensions. Hence when an elementary particle changes and rearrange itself then at that time the dimensions of elementary massive particles also change and rearrange.

We know that dimensions are space and changes are time. Hence, when dimensions change and rearrange again, then space and time change internally inside the elementary particle and a graviton particle is produced.

a) As gravitation is internally changing and re-arranging space and time continuously, gravitons are produce. It is not possible to produce

massive particles by changing and rearranging the field inside the Elementary particle. Hence gravitons are continuously changing and rearranging fields and are not massive particles. Gravitons are in the form of packets and packets are continuously changing and rearranging their internal space and time. This means that packets of gravitons are no particle, but a disturbance or the changing and rearranging of space and time fields produced by elementary particles by changing and rearranging themselves through internal space and time.

In this way this is proved that the concept of Einstein and the concept of modern physics are same. There is a second reason that gravitons are produced during changing and rearranging fields, hence they are also changing and rearranging field packets.

b) Why are elementary particles also a field compose of space and time which are changing and rearranging continuously itself internally.

We have from [2]

$$\text{Graviton} = \text{Gravitational force [III]}$$

$$\text{Graviton} \setminus \text{change and rearrangement in space and}$$

$$\text{Gravitational force} = \text{time continuously [IV]}$$

Now from equation [I] and [II] we can write that when the mass of an elementary particle is present, it exerts gravitational force by producing gravitons.

Now we can write from [I] [II] [III] and [IV], as until gravitational force is present or mass is present, there must be n elementary particle changing and rearranging it's internal structure continuously (changing space and time)

But we have

$$\text{Gravitational force} = mg \quad [1] \quad [V]$$

There for $m = \text{change and rearrangement in space and time continuously from [IV] and [V]}$, hence, it is successfully proven that if we destroy internal change and rearrangement in space and time, then gravitational force will become zero, but as soon as gravitational force becomea zero it means that mass and gravitational force are equivalent and depend on each other.

$$\text{i.e. } f = 0$$

$$\text{then } mg = 0$$

$$\text{hence } m = 0$$

Hence, it proves that the mass of the particle depends on the change occurrence inside the particle if we stop the continuously changing and rearranging space and time inside a particle, the mass of the particle will be zero because as discussed above, $F=0$ which is produced by continuously changing and rearrange internal space time of elementary particle, then $m = 0$.

Hence it has been proven that in a particle there is no mass. The mass of the proton, neutron and electron is due to changing and rearranging their internal space and time continuously. It seems there is mass, but there is only changing and rearranging space and time.

Hence, the universe, massive and elementary particles are also made up of changing and rearranging space and time.

Experiment on above statement (Expected)

I) This experiments supports two following statements.

A) Gravitons are not particles they are a set of continuously changing and rearranging space and time.

B) Gravitons are continuously produced from elementary particles due to their internal arrangement which is continuously changing and rearranging.

Experiment no – A

Consider a rocket in space, free from any external force. It experiences zero gravitational force if we move it with a certain acceleration, because in acceleration, the situation of space and time of the rocket continuously changes. Also according to Einstein, when a body accelerates then it's space is continuously converted into time. Hence space and time change in acceleration.

Hence from above experiment we have proven that graviton particles are produced when space and time changes.

Experiment No-B

Consider a small massive particle; a quark, having mass ' x_1 ' and gravitational force F_1 Hence it produces packets or set of continuously changing and rearranging fields. We called the packets gravitons.

But we know that gravitation is produced from elementary particles. because elementary particles like protons, Neutrons, electrons and quarks are internally unstable. They are always continuously changing

and rearranging their internal structural arrangement. If we stop this process, they immediately stop emitting the process of gravitation.

Hence it has been proven that when we stop the internal changing arrangement then production of gravity stops. It depends on rearrangement and changing internal space and time. Hence it proved that statement & is true.

Experiment No – II

Now this experiment proves the following statements.

How a small elementary massive particle is a packet or set of continuously changing and rearranging space and time.

Proof

Suppose. x_1 to be a any Elementary massive particle (proton, neutron, electron and quark) x_1 – produces y_1 – graviton particles. We already proved that the graviton particle is a packet or set of continuously changing and rearranging space and time. If we stop continuously changing and rearrange space and time inside the packets of gravitons then immediately the elementary particle stops. Hence, the nature of the elementary particle will be destroyed and there is present only steady space and time. Hence it has been proven that although x_1 is a particle, as soon as production of gravitons stop or gravitational force stops, then the particle is converted into steady space and time. This will happen only if x_1 an elementary particle is packets of continuously changing and rearranging space and time.

We already proved that mass and gravitation are equivalent and it is not possible to separate them from each other. Hence if we consider a big body like the sun, moon, stars, galaxies or the whole universe, if we destroy the corresponding gravitational force, then we will destroy all corresponding bodies respectively and convert them in to steady space and time. This is only possible if the mass also is a changing space and time.

We can do this experiment for minute elementary particles like quarks as well as big body like galaxies. Here prove that the above statement is true.

Conclusion of the above experiments

Graviton/gravitational field and mass of the elementary particle can't be separated from each other. As soon as we destroy one then the second is destroyed immediately and vice versa. We already proved that a graviton is a packets of continuously changing and rearranging space and time fields which, when we stop this continuously changing and rearranging field inside the packets then gravitational force immediately converts into a steady space and time field. Hence it proves that mass is also a packet of space and time. It means that mass is not real mass but only apparent. There are only packets of continuously changing and rearranging space and time as like gravitons.

Experiment no - III

Take a small elementary particle and stop it's continuously changing and rearranging internal arrangement of space and time, then the nature of the particle is destroyed and only steady space and time remain.

This experiment can be used for a large body also, but for this work we stop the unstable internal space of every elementary particle of that body.

Conclusion

From the above experiment we conclude that every massive particle is not stable internally. If mass appears, there must be present a continuously changing and rearranging space and time. if we produce it artificially then the mass of an elementary particle is produced. Which elementary particle is produced is dependent on how much space and time changes and rearranges in the field. This experiment for production of mass can be done every were in the universe.

Supporting description that the mass of elementary particles are packets of changing and rearranging space and time.

If we assume that the mass of the elementary particle is not a packet of changing and rearranging space and time field, then if we stop the process inside the elementary particle then the mass of the particle is never destroyed or if we destroy the gravitational field around the particle (stop the synthesis of the graviton) then this does not destroy the nature of the particle but it destroys and converts into steady space and time.

Hence . . . Mass of the elementary particle is a packet of continuously changing space and time.

Mechanism of production of Gravitons.

It is simply the mechanism of every elementary particle continuously changing and rearranging its internal space and time until this process of starting elementary particles produces graviton particles. This means that elementary particles continuously change and rearrange their surrounding medium and form packets of changing and rearranging space time. We called them gravitons as they produce the force of attraction.

If we consider big body like earth stars and galaxies, there are many elementary particles which produce gravitons simultaneously. Hence it seems gravitational force is much stronger than a single elementary particle.

According to Einstein gravitational field is steady but according to this theory of gravitons, the gravitational field is not steady. It is continuously changing and rearranging it self because body which exerts gravitational force this body is not stable in the inner part of the elementary particle because it produces a gravitational particle.

Effect of virtual particle

We know that every particle produces a virtual particle (Proton, Neutron, Electron, Quark) according to the uncertainty principle [1].

According to quantum physics, when a proton, neutron, electron and quark and also a massless particle changes internally, then their arrangement produces a virtual particle.

We have already proved that the internal arrangement of elementary particles change. It means that internal space and time of the particle changes. So that we can write from the above two statements as when space and time changes internally, continuously then the internal arrangement of the elementary particles produces a virtual particle.

If internal space and time change, that particle absorbs energy from its surroundings and produces a corresponding virtual particle. But from previous part we have proven that there is no elementary particle is present, but there are continuously changing and rearranging packets of space and time present.

Internally elementary particles are unstable. Hence mass is apparent and seems to us due to continuously changing and rearranging space and time inside the packets of the elementary particles. So we have proved that a vertical particle is also a packets of continuously changing and rearranging space and time field.

How vertical particle produce.

From an elementary particle.

As the above-discussed elementary particles absorb energy from the surrounding medium and produce vertical particles, then elementary particles continuously change their surrounding medium for stabilization. At that time, an elementary particle produces changes to space and time continuously in the surrounding medium and produces another virtual particle. This means that virtual particles are made up of continuously changing and rearranging space and time like all elementary particles (proton, neutron, electron, quark, graviton). Virtual particles are packets of changing space and time. This proves also the following statement.

Virtual particles are produced from elementary particles but as already proved, all elementary particle packets of changing space and time produce virtual particles, also with internally changing space and time of the elementary particle. Hence particles are produced from packets of changing space and time. It is not possible to produce mass from continuously changing internal space and time of the elementary particle.

To prove all elementary particles are virtual so that whole universe also a virtual.

We know that all elementary particles produce their corresponding virtual particle. Virtual particles have a small life span and are destroyed in a few seconds then a new virtual particle is produced from the corresponding virtual particle but in some few seconds, this new virtual particle is also destroyed. This process repeats continuously again and again.

But there are two conditions if occur then a virtual particle may be a real elementary particle and the real elementary particle may be a virtual particle.

Both conditions are as follows

- 1) If we suppose a real particle produces virtual particles and a real particle immediately becomes virtual then the virtual particle loses its properties of virtual particle and acquires the properties of a real particle.
- 2) If the virtual particle separates quickly from the original particle, then it loses virtual properties and becomes a real particle.

We already proved that elementary particles are packets of a continuously changing and rearranging space and time field. If we stop the process, then an elementary particle converts into steady space and time.

Hence packets of elementary particles are still stable by nature, by changing internal space and time continuously. We can write as if the virtual particle starts continuously changing and rearranging its space and time then it becomes a real elementary particle; otherwise it is destroyed and converts into steady space and time immediately.

We can conclude the following statements from above discussion.

- 1) Virtual particle and real elementary particle are packets of continuously changing space and time.
- 2) Virtual particles are produced from packets of changing space and time. We called it an elementary particle, but it is not possible to produce mass due to changing space and time. Hence it is an elementary particle as well as a virtual particle. Mass of both is apparent. There is no real mass in our whole universe; only space and time are present.
- 3) It is proven that virtual particles may be real elementary particles and real elementary particle may be virtual. Hence, it is proven that both are packets of continuously changing and rearranging space and time.
- 4) Real particles are a certain types of virtual particle which do not lose its nature immediately and seem to us as apparent mass but as we destroy their internal changing and rearranging space and time, then it loses its apparent mass and become steady space and time like a virtual particle.
- 5) Virtual particles are also a certain type of real elementary particle which is unable to still its nature for a long time due to the process of continuous change and rearrangement, and immediately becomes steady space and time.
- 6) Life of space of the elementary particle depends on the how long process of the changing and rearranging space and time is still activate internally.

Evidence that all real particles are also virtual particles.

:- All elementary particles are originated due to a produced disturbance in space and time, and simultaneously and gain mass. This type of

whole mass is originated in the universe as rearranging space and time (producing a disturbance in space and time)

But it is not possible to produce mass by changing space and time. Hence mass seems us due to continuously changing and rearranging space as well as time.

So we can write the following statement as

1) Elementary particles = produce virtual particles hence they are also virtual.

2) Elementary particle becomes virtual and destroying it means that they convert into virtual particles and maintain their previous condition.

This is only possible if a real particle also a type of virtual particle, hence real and virtual particle both have the same nature

3) Virtual particles Become real if a necessary condition provided.

It is only possible if a virtual particle also is real.

4) Virtual particle -, Produced from real particle hence they are also real. From – I, II, III, IV.

Real elementary particles and virtual particles have the same nature and origin. Both are different from each other because in a real particle, continuously changing and rearranging space and time occurs but in a virtual particle, this process is not maintained for a long time.

So that from all discussion it has been proven that all elementary particle are virtual hence all of the universe is also virtual. This virtual universe is made up of changing and rearranging continuously space and time.

We are living in virtual universe. All living organism and non living objects like stars, galaxies, etc. are apparent.

For massless particle

1) Virtual particle are also produce from massless particles like the neutrino according to the uncertainly principle.

Above mentioned effects of virtual particles are applicable to massless particle. Hence massless particle are continuously changing and rearranging space and time.

Virtual Radiations

If space and time containing such changes then waves are produced. Hence, waves are also space and time. Radiation seems to us as due to combinations of space and time.

Virtual Energy

We have $E=mc^2$

Where E = Energy

m = Mass

c^2 = Speed of light

We proved that

m = packet of continuously changing and rearranging space and time.

f = nature of energy are as

- 1) Combination of space and time in radiation.
- 2) Packets of continuously changing and rearranging space and time in massive particle.
- 3) In vacuum space and time to energy.

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. . But we have proved that mass is virtual

Radiation is virtual

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. . Hence E is virtual

- 1) Nature of mass and radiation are virtual they are from space and time and where we see mass and massless particles.
- 2) Nature of everything and radiation - there is only space and time present.
- 3) But the nature of energy is also a space and time. Where we see energy there are realized only space and time.

Virtual energy in mass

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. . We have $E = mc^2$

Virtual radiation

We have

$E = mc^2$ ----- Einstein

$E = hf$ ----- plank

.
. . $E = mc^2$

m = f

where m = mass

f = frequency

$$c^2 \text{ and } \lambda = \text{constant}$$

We have proved that mass is made up of space and time so that radiation is also made up of space and time combine with each other the waves are from.

But

- 1) mass is a virtual hence
- 2) Radiations are also virtual.

Where we see radiation, there are present space and time in combination.

When space combines in the vacuum, then radiation is produced.

Virtual energy

We have

$$E = mc^2$$

$$E = hf$$

$$\therefore E = m \text{ and } E = f$$

Where $E = \text{energy}$

But 'm' and 'f' are virtual as we proved previously.

Hence 'E' is also virtual. Energy is virtual, hence is apparent.

In short, space and time are nothing but the form of energy. Space and time is the source of energy. When space and time combine, the space and time in the particle continuously changes. Hence, four fundamental forces are produced and if we can stop changing and rearranging space and time inside the object, the object loses its nature and become steady space and time.

- 1) Inside the proton, an up quark converts into down quark and down quark into an up quark continuously again and again in cyclic order.
- 2) Inside the nucleus, a proton converts into a neutron and a neutron converts into a proton continuously, due to this pion procedure. Pions exert strong force and the nucleus is stabilized.
- 3) β^- decay also is obtained due to space and time changes and the procedure of the weak force.
- 4) A graviton is also due to changing and rearranging of the elementary particle.

Hence four fundamental forces are produced due to changing and rearranging space and time.

Evidence for an elementary particle when a force carrier is produced in rearranging their internal arrangement.

We know that all force carrier like the graviton photon etc. are massless. Hence, when a particle is produced then the mass of the elementary particle does not decrease or increase. So when a force carrier is produced, only internal arranging and rearranging and change produce space and time which carries on the sensation of force. We called it a force carrier like the photon and graviton etc.

Results and discussion

- 1) All elementary particles and massless particles are packets of continuously changing and rearranging internal space and time. They are apparent.
- 2) All massive particles massless particles, energy radiation are not real. All are made up of space and time. All seem apparent.
- 3) All elementary particles, massless particles, energy and radiation are virtual.
- 4) The whole universe is a virtual (galaxies, stars, planets and elementary particles, living organism).
- 5) All force is also the result of changing and rearranging internal arrangement of elementary particles.
- 6) Steady space and time is a major source of energy in suspended mode. If space and time combine, then radiation is produced when space and time combine. Changes simultaneously produce elementary massive and massless particles.
- 7) It is necessary to elementary massive particle and massless particles to change and rearrange their internal field. As soon as we stop their internal changing arrangement, then the particle will immediately be destroyed and convert into steady space and time.
- 8) It is necessary to combine space and time continuously. If we separate space and time from each other then waves destroy and convert into steady space and time.
- 9) We live in a virtual universe.
- 10) If we stop change inside the elementary particle, then all forces collapse and the universe is destroyed.

Conclusion

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- 1) Whole universe is virtual all galaxies, planets, stars and all living organisms are virtual and only apparent. All seem due to

continuously changing and rearranging space and time at the micro level.

- 2) The whole universe is made up of space and time.
- 3) There is no object in our universe. There is only continuously changing and rearranging fields present in the universe.
- 4) Space and time are the basic substances of the universe.

Refferences

- | | |
|---------------------------------------|------------------------|
| 1) Relativity | Mohan Apate |
| 2) Astronomy | Mohan Apate |
| 3) The Tao of
Physics | Pritjoof Copra |
| 4) Quantum | Jim-Ul-Khalili |
| 5) A Brief History of
Time | Stephen Howking |
| 6) Matter | Ralph E Lapp. |