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Atomic Genetics and Origin of the Universe- Volume-4 (Part1)

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Abstract

Gravity force and its interactions are still obscure. The reason being, one is not equipped with basic knowledge of structure of the matter, and atomic genetics as taught by a new science called participatory science. If nature breaks the matter, one would get its last and smallest particles called basic building blocks (B.B.Bs.) of which all secondary fermions (energized gravitons) and secondary bosons (photons, gluons, vector bosons and higgs bosons) are composed. From these secondary fermions and secondary bosons all the matter (lepto-quark, protons and neutrons, atoms and molecules) of the universe is formed including human cell. These basic units are divine in the sense that they talk with each other by phenomenon called atomic transcription and translation. These are fundamental particles and atomic transcription and translation are fundamental working of the nature. These B.B.Bs. have power to transmutate to form bigger units of the universe like particles, atoms, molecules, cells, individuals, earth, solar system, galaxies etc. So, all effects of the universe are triggered by atomic transcription and translation or thought expressions. The gravitons have not been incorporated in standard model chart. It is because they are still hypothetical particle. No experiment has yet detected existence of these particles. Gravity could only be studied by participatory science. Scientists have succeeded in measuring the speed of gravity for the first time. Sergei Kopeiken of the University of Missouri-Columbia and Ed Fomalont of the National Radio Astronomy Observatory in the US used a rare cosmic alignment to check that gravity and light travel at the same speed. As light is mediated by photons, similarly gravity is mediated by energized gravitons. As photon is emitted by atoms as energy quanta similarly energized gravitons are emitted by decay of nucleons of the atoms. As luminosity (intensity) of light decreases with distance similarly density of energized gravitons decreases with distance.

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There is difference in gravitational acceleration (g) and acceleration of objects other than gravity (a). Einstein has wrongly made principle of equivalence i.e. . There is no way for an observer in a closed laboratory to distinguish between the effects produced by a gravitational field and those produced by an acceleration of the laboratory. The observation that propounds that this principle of equivalence is TRUTH is super unification phenomenon which is not proven yet. It does mean that constituents i.e. basic building blocks of energized gravitons are different than Basic building blocks of photons. This is the basis of two particle hypothesis postulated by me. Same is true for energy matter equivalence. It is also a myth as super unification is not proven yet. Energized Gravitons are the tiniest batteries of the universe. The functional energy of energized gravitons is slowly being utilizing at all level during interaction and thus structure and function of all systems (Atoms, Solar system. Galaxies and visible universe) are maintained by it. The electrical charge or magnetic property of stars, planets, atoms and particles are maintained by energized gravitons.

Keywords: energized gravitons, Newton's law of gravitation, principle of equivalence.

1. Introduction

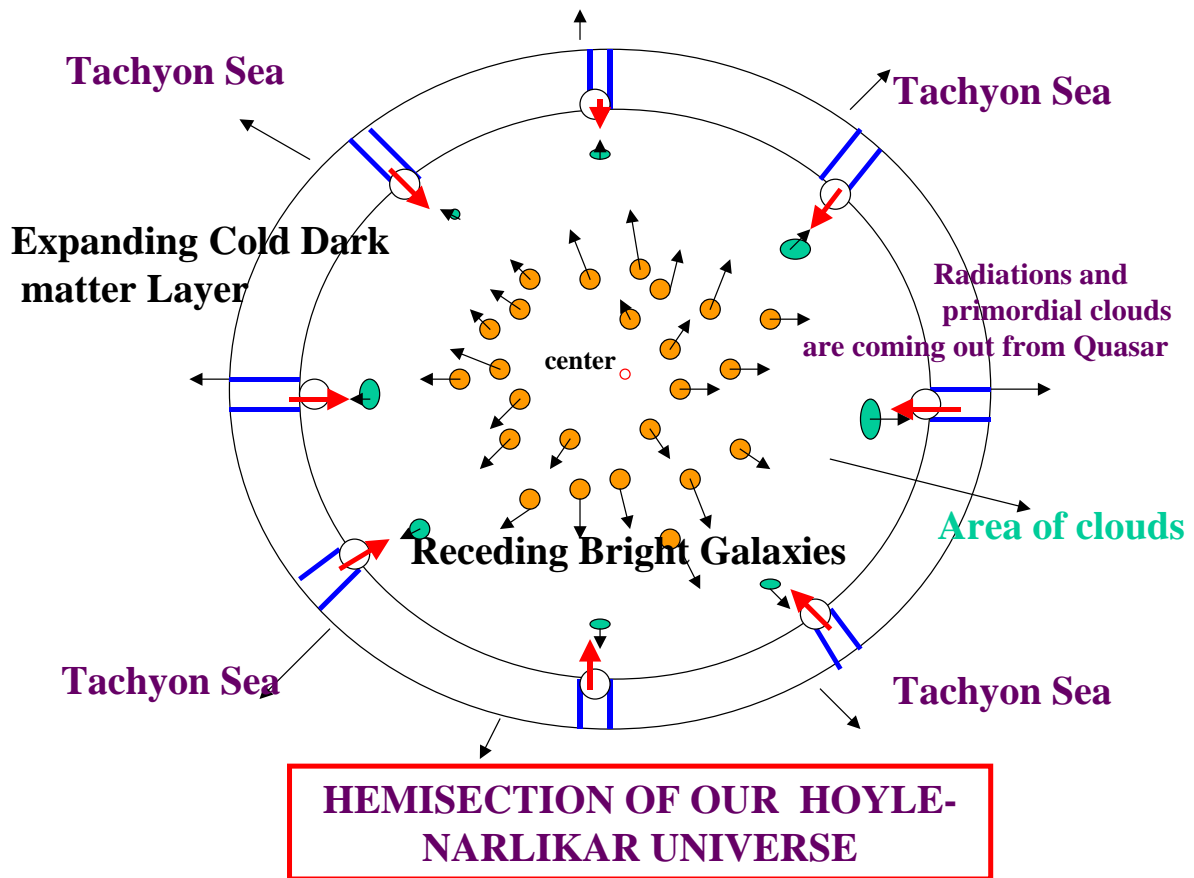
The gravitons have not been incorporated in standard model chart. It is because they are still hypothetical particle. No experiment has yet detected existence of these particles. Gravity could only be studied by participatory science. What is the basis of gravity phenomenon or how laws of gravity are made that is to be discussed in a very simple way. As far as fundamental research is concerned, physics education and research has come to halt. Unification of forces i.e. GUT and super unification theories have yet to be proved. No efforts have been made to investigate about structure of matter beyond lepto-quark and Higgs bosons. No efforts have been done to investigate about mind and gravitons and about synchronized working of mind and mass.

2. Structure

2.1 New Observations of Gravity

Gravity and light move at the same speed (8 January 2003) [2], Scientists have succeeded in measuring the speed of gravity for the first time. Sergei Kopeikin of the University of Missouri-Columbia and Ed Fomalont of the National Radio Astronomy Observatory in the US used a rare cosmic alignment to check that gravity and light travel at the same speed -- as predicted by Einstein. The astronomers presented their findings today at the American Astronomical Society meeting in Seattle. On September 8 last year Jupiter passed almost directly between the Earth and the quasar J0842+1835. Kopeikin and Fomalont used the Very Long Baseline Array of radio telescopes in the US and a 100-metre radio telescope in Effelsberg, Germany, to measure how radio waves from the quasar were deflected by Jupiter. Previously they had shown that the size of the deflection depends on the speed at which gravity propagates from Jupiter. From their measurements Kopeikin and Fomalont calculated the speed of gravity to be 95% of the speed of light, with an error margin of plus or minus 25%. Prior to this work, physicists had assumed that the only way to measure the speed of gravity was to detect gravitational

waves. Kopeikin believes that this new result is the first of many observations of gravitation that will shed new light on the general theory of relativity.



(figure 1- New model of universe by participatory science [1])

2.2 Theories of Gravity in the light of new observations [3]

This observation (Gravity and light move at the same speed 8 January 2003) propounds that we need to review all theories of gravitation, to review fundamental particles - structure of the matter beyond lepto-quarks and to review interactions of gravity with different structures of the universe and finally to define the word gravity . At present we have four theories of gravitation namely -

1. Newton's theory of gravitation - Universal law of gravitation - (1687) Sir Newton gave a law of gravitation which states that - The forces between any two particles of the masses M_1 and M_2 separated by a distance r is an attraction acting along the line joining the particles and has the magnitude $F = G M_1 * M_2 / r^2$
2. Einstein's field theory - In his General Theory of relativity Einstein saw gravity as essentially a local phenomenon ; the masses of the sun and the earth create a local gravitational field which holds the earth in orbit

around the sun. According to him this field is an inherent property of space time. His equation shows that one can have space time structure without any matter.

3. Hoyle -Narlikar theory - The particle theory of gravitation - They have put forth a new theory of gravitation which is highly mathematical , but it seems to be an all - embracing theory which points a way to unify gravitational, electrical and magnetic forces. They have come to conclusion that the mass of the particle arise from the rest of the particles in the universe. Thus if half of the universe were suddenly removed, the gravitational forces on the sun would be doubled, resulting in the contraction of the sun and its becoming 200 times hotter ; but according to Einstein there would be no change because the gravitational field of the universe will remain the same. According to this theory, gravity can only begin if there are at least two particles in the universe to interact ; if matter vanishes the equations derived by Einstein would also vanished. Einstein's equations relate to empty space time structure without any matter.

4. Graviton theory. - Prof. Kiril Staniukovic, a Soviet Scientist has given a new theory of gravitation. In his opinion, nucleons- the building blocks of the matter - emit gravitational waves consisting of elementary particles of gravitation or gravitons. Thus every object emits gravitons in all directions. The propagation of these waves towards another object is impeded by the waves from the first. In opposite direction, however, the propagation of these waves is unimpeded, which produces a kind of "reactive effect" causing the two objects to attract each other.

Having discussed in short about different theories of gravitation, none of them is capable of explaining all gravitational phenomena , so this leads to the assumption of new gravitational theory by the participatory science (a new discipline to realize and visualize our universe with the research of basic constituents of the matter called Basic Building Blocks of the universe and Atomic Genes along with new model of the universe called Hoyle-Narlikar Universe) namely - " Divine energized gravitons (secondary fermions) theory ", postulated by me.

2.3 Flaws in General theory of relativity

General theory of relativity is not a logical theory to explain all gravitational phenomena. If physicists believe this theory as right answer about gravity , then they are misunderstanding the gravity and i.e. A key concept of General Relativity is that gravity is no longer described by a gravitational "field" but rather it is supposed to be a distortion of space and time itself. Physicist John Wheeler put it well when he said "Matter tells space how to curve, and space tells matter how to move." This key concept is a wrong concept to talk about any force like gravity There is no theory yet complete to explain gravity phenomenon. Gravity phenomenon would be well understood after understanding the making of new model of the universe i.e. Hoyle -Narlikar universe, about research of Basic Building Blocks and atomic genetics as taught by participatory science. The Difference in the structure and function of Gravity (divine energized graviton- that causes g) , Light (photon) and mechanical energy (photon- that causes a) is shown in (Figure -2) .As light is mediated by photons , similarly gravity is mediated by energized gravitons. As photon is emitted by atoms as energy quanta similarly energized gravitons are emitted by nucleons of the atoms. As luminosity (intensity) of light decreases with distance similarly

density of energized gravitons decreases with distance..As regard velocity , both have same velocity i.e. velocity of light.

If you want to test New theory of gravity you have to equip yourself with New knowledge of mass , inertial mass and gravitational mass and inertia . According to new theory , the inertial mass of body is not always exactly equal to its gravitational mass There is difference in gravitational acceleration (g) and acceleration of objects other than gravity (a) . Einstein has wrongly made principle of equivalence i.e. . There is no way for an observer in a closed laboratory to distinguish between the effects produced by a gravitational field and those produced by an acceleration of the laboratory . The observation that propounds that this principle of equivalence is TRUTH is super unification phenomenon which is not proven yet . It does mean that constituents i.e. basic building blocks of energized gravitons are different than Basic building blocks of photons. This is the basis of two particle hypothesis postulated by me. Same is true for energy matter equivalence. It is also a myth as super unification is not proven yet.

The energized graviton (that causes g) is structurally and functionally different than photon- mechanical energy (that causes a) . The functional difference of (g) and (a) is only the direction . (g) is directed only one side i.e. towards center of the mass while (a) could be directed in any direction. The further difference is that the forces that is mediated by photons is a exchange phenomenon and this led to shielding effect. But on the contrary gravity is not a exchange phenomenon and there is no shielding effect with gravity. There is no antigravity force in the universe why ? The reason is that the attraction and repulsion are governed by atomic genes and atomic genes are divine i.e. they work as fed by highest center of the universe during pre creation era. So the entire working of energized graviton is governed by atomic genes of energized gravitons . Similarly entire working of photon (mechanical energy) is governed by atomic genes of photon. There is no attraction or repulsion phenomenon with (a) (mechanical energy) . The working of energized graviton is different than working of photon (mechanical energy) . How energized gravitons work that we shall study now in detail. How mechanical energy (photon) works that we shall study in velocity of electron. And how both work together we shall study in CRO where we shall see how electron's gravitational mass increases with increase in velocity bringing it from 60% velocity of c to 80% velocity of c . ----[4].

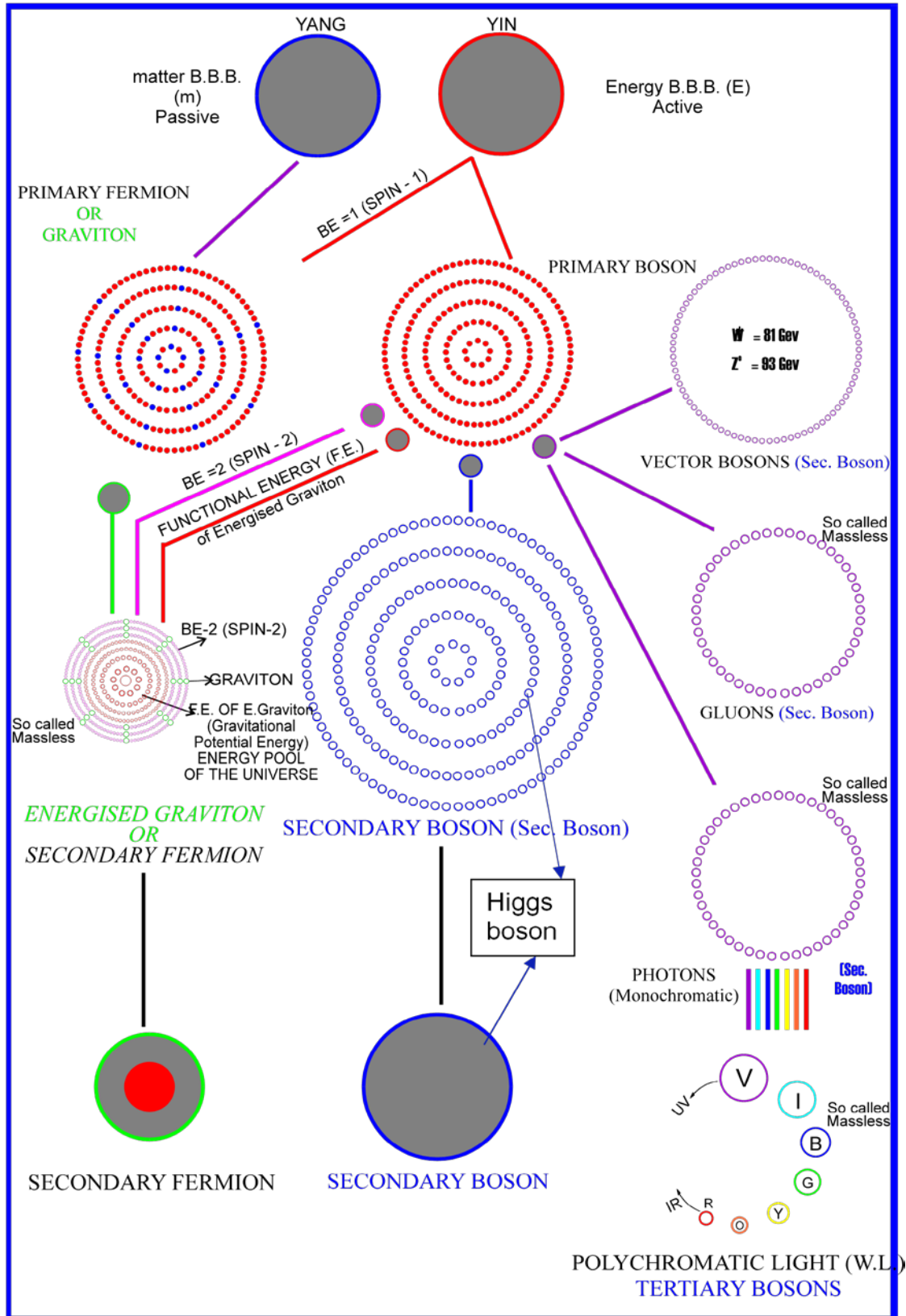
Please see the structure of energized graviton (that causes g) and photon (that causes a) (figure 2)

So in future you will see that general theory of relativity is not only an illusion rather it is broken pillar of Big Bang theory.

Structure of Graviton (Primary fermions) , Energized Graviton ((Secondary Fermions) and Photon.

The particle that take part in gravity interaction is energized graviton that causes acceleration due to gravity (g) which is made up of more fundamental particles called gravitons (primary fermions) and Binding energy -2 (primary bosons) that causes it to spin and functional energy of energized graviton (primary bosons) which is called potential energy of gravity or energy pool of the universe or Dark energy . While mechanical energy particle or photon that causes (a) is made up of more fundamental particles called primary bosons only. Hence

principle of equivalence is wrong as far as structure is concerned both are different particles that causes g and a in the universe.

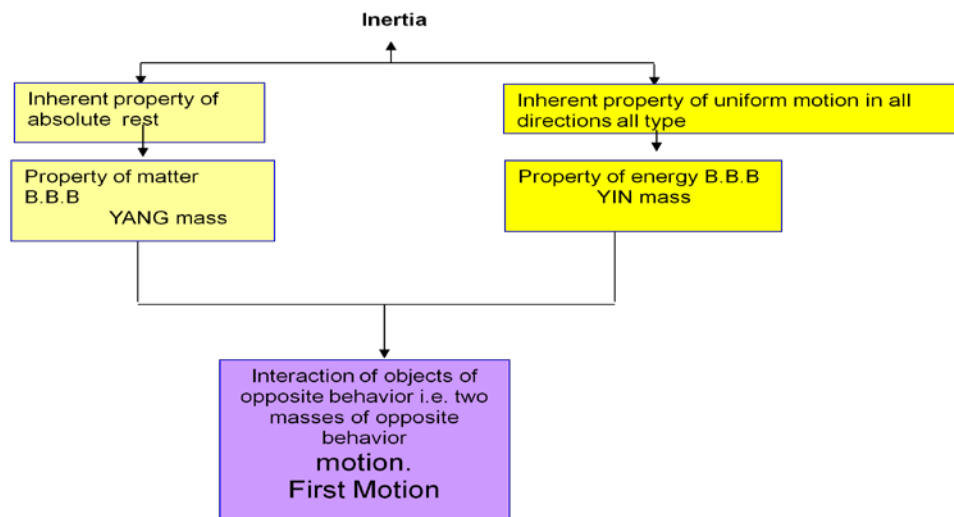


(Figure-2 structure of energized graviton that causes g and structure of photon that causes a)

2.4 Concept of Inertia and Motion at the level of B.B.Bs.

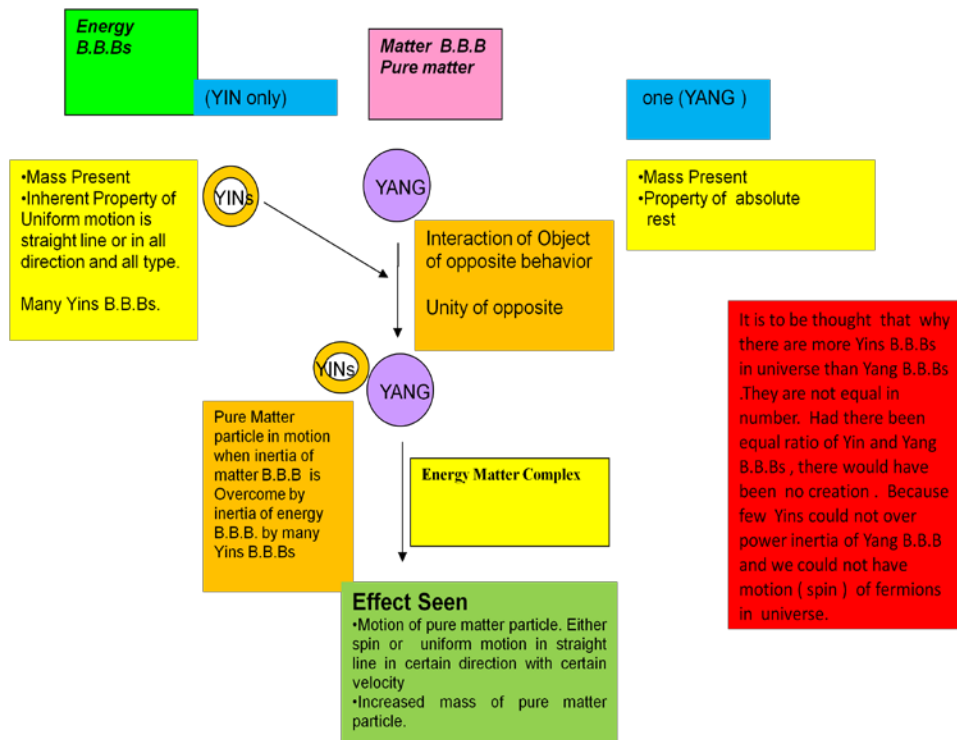
Let us define the word Inertia and Motion. At the level of Basic Building blocks, the word Inertia is defined as- Inherent property of rest or uniform motion in straight line (classical physics) . Inherent property of rest is the property of matter B.B.B . (yang) and inherent property of motion in all directions is the property of energy B.B.B (Yin). It is the property of mass part of reality of the universe. Hence there are two types of masses in the universe . one is having property of absolute rest i.e. yang or matter B.B.B and other one is having uniform motion in all directions all types i.e. Yin or energy B.B.B.

Motion is defined as the effect of interaction of two power of opposite behavior . one is having property of absolute rest i.e. yang or matter B.B.B and other one is having uniform motion in all directions all types i.e. Yin or energy B.B.B. During interaction inertia of energy B.B.B over powers inertia of matter B.B.B and the resultant is Motion of matter B.B.B. Spin -1 in Figure -2 is the first motion of created universe i.e. spin of primary fermion or graviton. (figure 3 and figure 4) .



First motion in the created universe is spin of particles (fermions and bosons) . Type of spin is decided by atomic genes of that particles i.e. half integer spin is decided by thought of half integer and integer spin is decided by thought of integer spin of that particles.

(figure 3- first motion of the created universe- hypothesis)

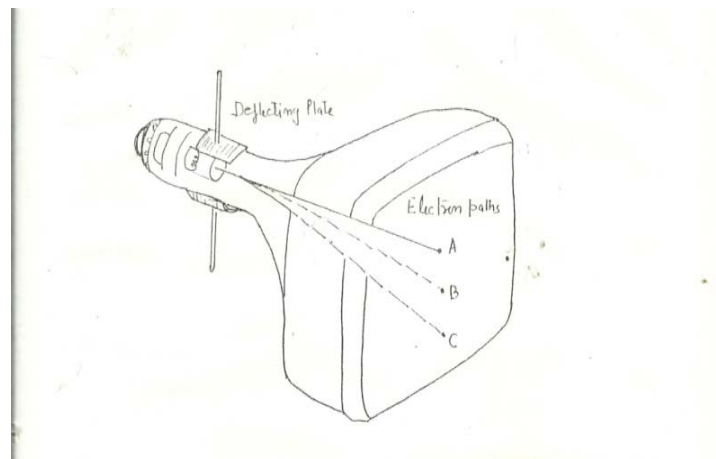


(figure 4 - first motion of the created universe- hypothesis)

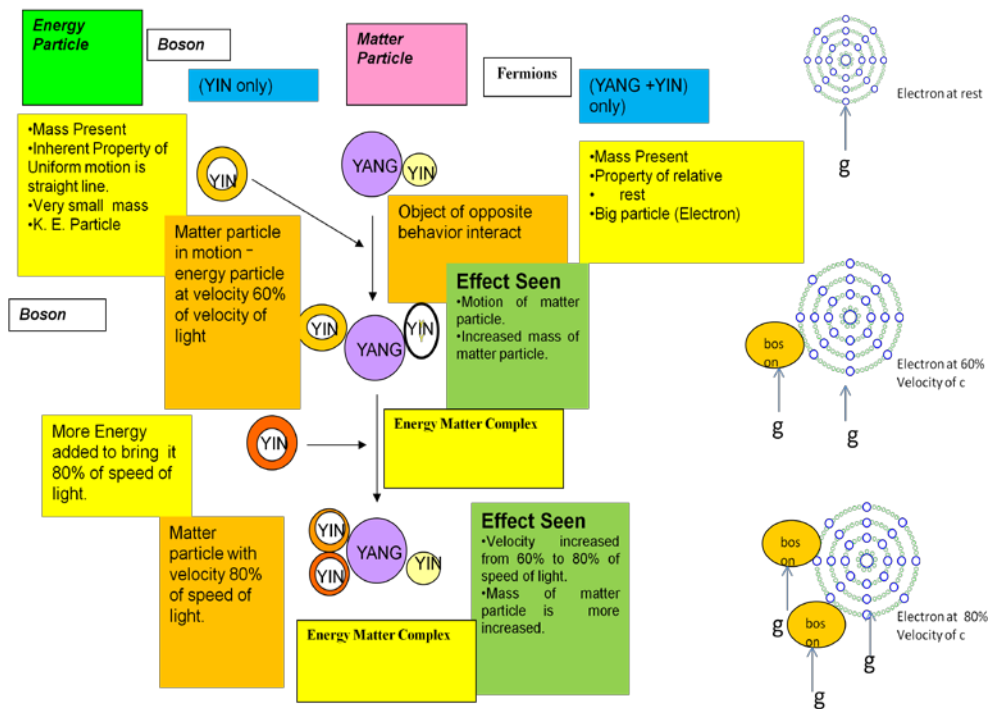
Eletron Motion in C.R.O. (figure 5 , figure 5.1)

It states that electron mass increases with velocity. This is according to observatory physics.

Participatory Physics: According to this science concept of motion is as under- When B.B.Bs become fermions and bosons then motion is defined as the effect of interaction of two power of opposite behavior . One is having property of motion i.e. mechanical energy particle or photon and other one is having property of relative rest i.e. fermions or electrons (as they have spin property) and the resultant is motion.



(figure 5 – electron motion in CRO)



(figure 5.1 – electron motion in CRO at different velocities with different Gravitational mass – Hypothesis)

The input energy will be gradually lost only when *friction* is there(conditioned working) otherwise it will work as force or K.E. or YINs , till it has made complex with YANG & YANG will keep on moving. (Newton’s 1st Law). Or complex gets detached by itself when there is no friction (unconditioned working)

Inferences:

Energy has mass.

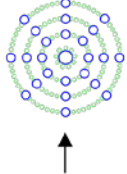
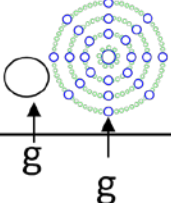
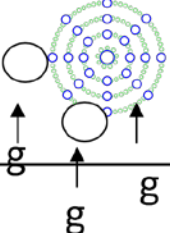
Electron mass (Matter Mass or fermions mass) does not increase with velocity. It is the energy mass (Boson mass or Kinetic Energy mass) which increases with velocity. If one adds more energy to increase velocity, the electron total mass will increase (electron rest mass plus kinetic energy particle mass). This is what we observe in C.R.O. when we bring electron from 60% of velocity to 80% velocity of light.

CONCLUSION

Participatory science finally says with proof and confirmation following universal truth.

1. Matter particle (Fermions) of same mass but of different velocities carry different masses of energy particle (Boson).
2. Matter mass (Fermions) remains the same. It is the energy mass (Boson) which is being added up to increase the velocity.
3. Electron mass (Fermions mass) remains the same. It is the energy mass (Boson) which increases with the increase of velocity. As fermions and boson are not inter convertible. So the increased mass belongs to energy mass not electron mass. Based on simple logic without adding extra mass one cannot get increased mass.

Table 1 : Electron Motion in CRO

		
<p>Electron at rest, hence picture of rest mass of electron.</p> <p>Rest mass means gravitational mass (G.M.) at rest.</p> <p>Inertial mass of electron is different than its G.M.</p>	<p>Electron's moving mass.</p> <ol style="list-style-type: none"> 1. Slow velocity. 2. Less G.M. has increased. As gravitational interaction has increased. 3. Less bending. 4. Less energy mass is added. 5. Inertial mass of electron remains the same. 6. Less energy mass has increased. 	<p>Electron's moving mass.</p> <ol style="list-style-type: none"> 1. High velocity. 2. More G.M. has increased. As gravitational interaction has more increased. 3. More bending. 4. More energy mass is added. 5. Inertial mass of electron remains the same. 6. More energy mass has increased.

4. Modern physicists believe that inertia is not an intrinsic property of matter but a measure of its interaction with all the rest of the Universe. This is according to the physicist and philosopher Ernst Mach. Participatory science says that it is an inherent property of matter. For pure matter particle (YANG) inertia is inherent property of absolute rest and for energy particle (YIN) inertia is an inherent property of uniform motion in straight line or in all directions. Thus giving a new concept of motion. Finally participatory science says that matter B.B.B (YANG) and energy B.B.B (YIN) are separate and absolute, as inherent properties are not inter

convertible. It also condemns inference of the famous equation $E=mc^2$ thus inferring that matter mass and energy mass are not mutually convertible.

5. In C.R.O., gravity interacts with increased boson mass, which gives us the feeling of increased electron mass or weight. It has been shown in diagram (figure 5.1).

6. Motion is a vector quantity hence direction of motion is decided by atomic genes. During gravity interaction (g) atomic transcriptions are different i.e. thought of attraction is triggered and during (a) the atomic transcriptions of attraction is absent.

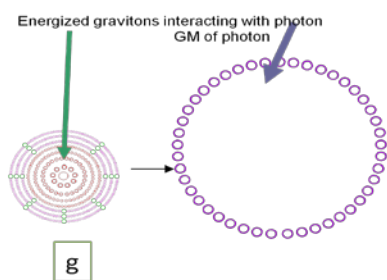
2.5 Inertial mass (I.M.) and Gravitational mass (G.M.) in the light of B.B.Bs

Modern physicists believe that inertial mass of body is equal to its gravitational mass.

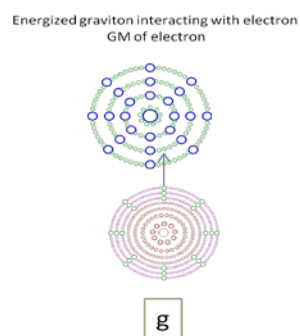
But participatory science says that both are different. According to participatory science inertial mass is expressed by quantity of matter (number of yang masses and yin masses i.e. basic building block smallest mass particle) present in the body of particle and gravitational mass is expressed amount of interaction with gravitation. In gravitational mass total amount of matter (number of yang masses and yin masses) changes but in inertial mass total amount of matter remains the same. For example – inertial mass of photon is fixed i.e. total number of yins present in one monochromatic photon. No unit to measure it. But gravitational mass of photon is its own inertial mass plus inertial mass of energized gravitons (when photon interacts with gravity).

G. M. of photon (figure 6) (Boson) = I. M. of Particle (number of yin) + I. M. of

Energized Gravitons (number of yang and yin).



(figure 6 – G.M. of photon .)



(figure 7- G.M. of electron)

G. M. of electron (figure 7) (fermions) = I. M. of Particle (number of yang and number of yin) +

I. M. of Energized Gravitons (number of yang and yin).

Finally:

1. G. M. (gravitational mass) of body is more than I. M. (Inertial mass) of that body.
2. G. M. changes with place to place because amount of interaction with energized gravitons is different i.e. on earth and on moon. While I. M. remains the same because it is absolute.
3. G. M. is measured in Kg. Unit system and there is no unit system which can express real mass of body (I. M.)
4. G. M. depends upon interaction. If interaction with energized gravitons is increased G. M. increases and if interaction decreases G. M. decreases. But inertial mass is always constant. One can only increase or decrease I. M. by adding or removing the inertial mass.
5. Realization of I. M. is same but realization of G.M. is different, at certain point where interaction is insignificant, realization of G. M. is zero (weightlessness).
6. Gravitational interaction is more on earth and less on moon. This is shown by spring balance. Therefore G. M. is more on earth than moon but inertial mass remains the same both on moon and on earth.
7. Weight – it is the significant interaction and in this interaction I. M. of body plus energized gravitons mass are involved and the resultant realization is weight.

Weight of body : α I.M. of body

α Number of gravitons per unit area

α $1/\text{Distance}^2$

As we ascend upwards weight decreases and at one point object becomes weightless, it means interaction is insignificant and number of energized gravitons per unit area is below critical value for that particular object.

2.6 Modified Theory of Gravity

Gravity acts in similar way as person rotating a ball with string. Here person rotating the ball is continuously giving the energy (YINs) to the system. This energy (YINs) is divided and presented as 1.Centrifugal force ,2.Centripetal force , 3.Orbital velocity The canalization of energy (YINs or energy B.B.B.) into the system is due to conditioned stimulation of CCP (of matter (YANG B.B.B) present in the ball or in the other words property of matter) which canalizes the energy. If one increases the input energy ,the all effects are enhanced . There is minimum amount of energy (YINs) which is required to maintain the structure and function of the system. Similarly energized gravitons are continuously being released by the centre mass and they keep on interacting with revolving planet. They give energy (yins) to the revolving planet and the energy (F.E.) is canalized by stimulation of CCP of matter (yang) content of the planet into three effects. 1.Centrifugal force ,2.Centripetal force ,3.Orbital velocity .The orbital velocity of the planet indirectly shows the amount of interaction between energized gravitons and planet. If the interaction is more the velocity is increased and when interaction is less the velocity is slowed down. In the other words, if interaction with energized gravitons is increased all three effects are increased and if it is decreased the all the effects are decreased. The effect is clearly visualized in Kepler's 2nd law, where velocity of planet changes with interaction with energized

gravitons. When planet is at perihelion it has high velocity than it at aphelion. Minimum concentration of energized gravitons are needed to maintain the structure and function of the system this depends upon the size of the centre mass. The amount of interaction also depends upon the distance from centre mass. The same prerequisites are required in atom to maintain atomic structure and function. Thus stability of atom is maintained. The role of gravity field of mercury (energized gravitons of mercury planet) for maintaining the planet in the orbit is not essential and the effect of energized gravitons on the sun motion is insignificant but for holding satellite in the orbit, the role of mercury gravity is essential. There is fixed amount of concentration of energized gravitons which are liberated by central mass (sun) which make all planets to move. Thus fixed distance also decides their amount of interaction, thus orbital velocity is maintained or to have fixed orbital velocity , fixed concentration of energized gravitons are required in interaction.

Table 2 :Gravitons releasing units and interacting units

Gravitons Releasing Body	Interacting Body
Creator layer (cold dark matter) made up of Hyperons.	Bright Galaxies receding (Hubble law)
Mass centre of galaxy	Stars (Suns) of galaxy or binary galaxies end stages
Sun	Planets or binary stars end stages , comet ,asteroids
Planet	Satellites
Nucleus	Electrons

In some cases the size of the energized gravitons releasing body is very huge than the interacting body. No mathematics can calculate their masses (Inertial Mass) , their amount of interactions and their distances only conscious can realize and can explain the nature. Sun is working as person to rotate earth around it by the strings made up of energized gravitons. Concentration of gravitons per unit area decreases as distance increases therefore interaction also decreases thus orbital velocity of planets get decreased. Gravity is one way interaction not both way (Sun attracts earth not earth attracts sun because earth’s gravitons concentrations is below critical value to have significant influence on sun being placed at great distance thus critical value of distance has come into action and made earth not to interact with sun). if we keep planet mass and density constant then the interaction depends upon concentration of energized gravitons per unit area. In solar system the interaction with sun’s energized gravitons decreases as distance increases. The interaction depends upon concentration of energized gravitons per unit area. If concentration decreases the interaction also decreases. Mercury planet has maximum interaction with energized gravitons and it takes more energy than Jupiter and Plato, which are very far from sun. It is one way interaction only sun’s energized gravitons interact with planet, planet’s energized gravitons do not interact with sun.

Axiom : Gravitational effect is interactions of bigger mass by energized gravitons on smaller mass rather than mutual attraction. The gravity is the property of matter (yang) so it presents it self in fermions (yang + yin) only

not in boson (yin). Gravitational effect depends upon minimum amount of concentration of energized gravitons per unit area (critical value of mass and distance).

Gravitational Force \propto amount of concentration of energized gravitons per unit area

(critical value of mass M_1)

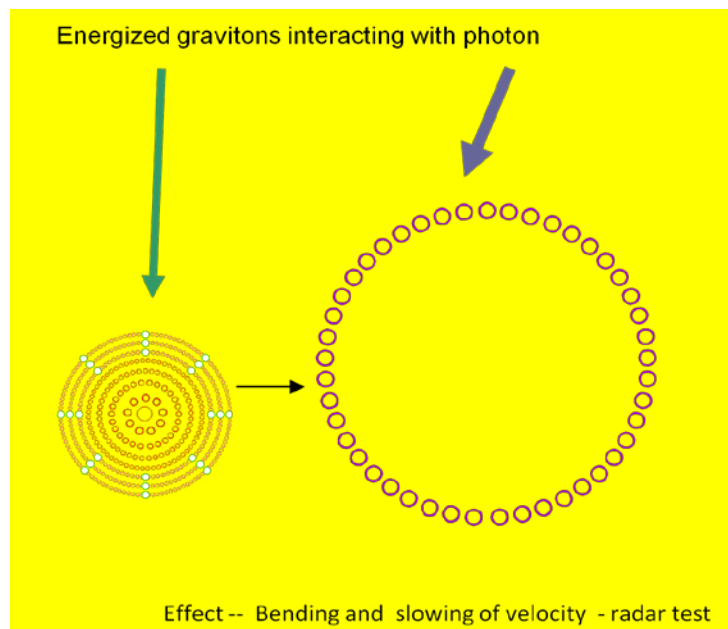
Gravitational Force \propto 1/ critical value of distance

Neither it is a mutual attraction of two bodies nor it works up to infinity

Rather than , $F \propto M_1 \times M_2 / d^2$ Newton's' law of gravitation. it is a mutual attraction of two bodies and it works up to infinity

M_2 could be photon , electron, quark, proton, neutron , nucleus of the atom, apple, matter of different densities , planets, satellites , suns , and receding galaxies of the universe. .

When M_2 is photon , energized gravitons interact with its outer surfaces called interacting surfaces which are made up of Yins (primary bosons) .Their number (number of interacting surfaces) varies with the amount of concentration of interacting energized gravitons as well as with the critical value of distance. If photon falls in high concentration area of energized gravitons , the number of interacting surfaces get increased or vice versa and it is inversely proportion to square of critical value of distance. (figure - 8)



(Figure 8 interaction of energized graviton with photon)

For rest M_2 (electron, quarks , protons ,neutrons and nucleus of atom or apple, matter of different densities , planets, satellites , suns , and receding galaxies) energized gravitons interact with interacting surface of

electron and quark which is its outer surface yins (secondary boson or B.E. – 3 or spin-3) (Fig-9) , or interacting surface of protons and neutron which is its outer surface yins (B.E.-4 or spin-4) (Fig-10) or interacting surface of nucleus which is its outer surface yins (B.E.-5 or spin-5) (Fig-10) . For interacting surfaces of apple or any bigger unit (matter of different densities, planet, satellite, suns, or receding galaxies) the site of interaction is nucleus of that unit. (Fig-10)

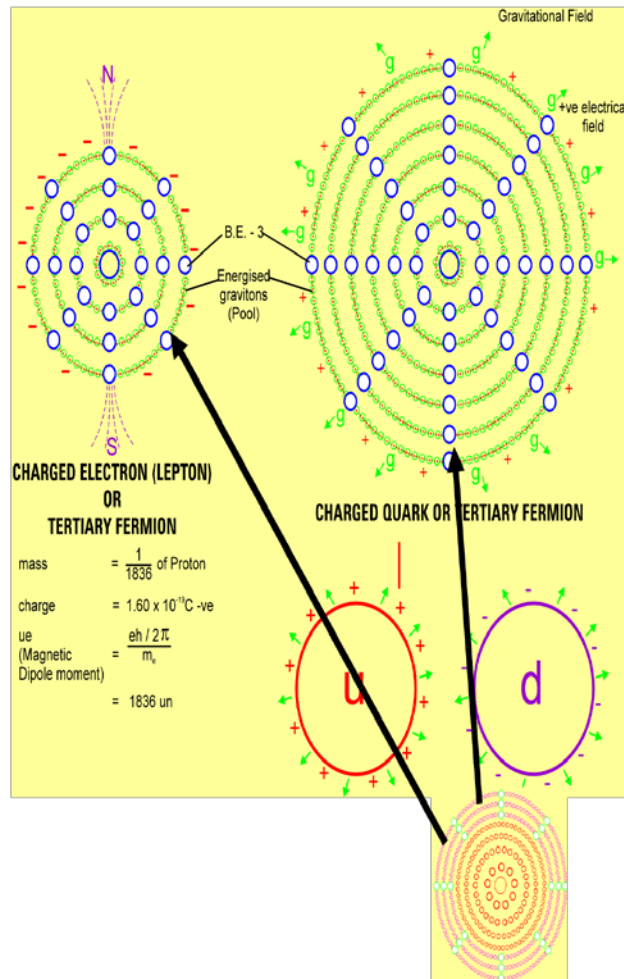


Figure 9 Energized gravitons interacting with Quarks or electron (with its outer B.E.-3)

Gravitational force \propto number of interacting surfaces of the M2. (Or if inertial mass of

M2 is more, number of interacting surfaces would be more

And vice versa.)

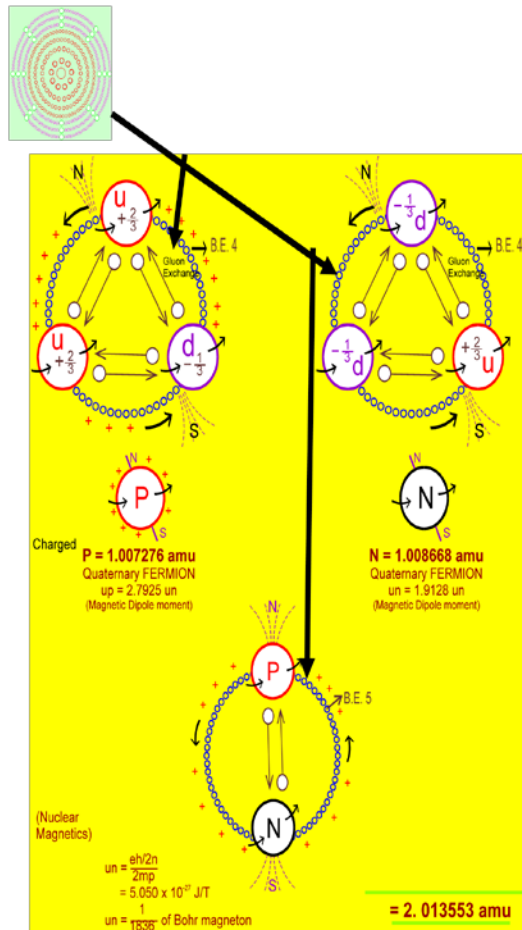
Finally

amount of concentration of energized gravitons per unit area

(critical value of mass M1) ×

number of interacting surfaces of the M2 (or Inertial mass of M2)

$$F \propto \frac{\text{critical value of mass M1} \times \text{number of interacting surfaces of the M2 (or Inertial mass of M2)}}{\text{critical value of distance } ^2}$$



(Figure 10) Energized gravitons interacting with protons and neutrons (with its B.E. -4) and with nucleus (with its B.E. -5)

During interaction , there is first locking of energized graviton with the outer interacting surface of the interacting body .The thought of attraction is triggered by YANG B.B.B. (higher center) of energized graviton. The message of attraction (codePCP) is carried by Primary Bosons (energy pool of universe) . Having

received the message , interacting body (M2) starts moving towards center of the mass (M1). The energy used in work done is from energy pool of universe (in form of primary bosons for photon and secondary bosons for rest M2 (electron, quarks , protons neutrons and nucleus of atom or apple, matter of different densities , planets, satellites , suns , and receding galaxies) . Or they set in orbit by thought of orbital movement laws. Whatever effect is coming during gravity interaction , it is triggered by that thought of interactions . Hence during gravity interaction ,different thoughts are being used to give different gravity effect. These thoughts are triggered by self stimulation of YANG of energized graviton and YANG of M2 if it is fermion or YIN of M2 if it is bosons . This is unconditioned thought expression of B.B.B. It is also called QUANTUM GRAVITY . As thoughts are changing with the result effects are changing.

2.7 Universal Law of Gravitation Definition of word Gravity force

Force of gravitation is neither a mutual attraction of two bodies nor it works up to infinity. It is proportional to amount of concentration of energized gravitons per unit area (critical value of mass M1) as well as number of interacting surfaces of the M2 (or density of M2) and inversely proportional to square of critical value of distance in a fixed frame of reference. .

If two massive bodies (both are above critical masses) interact with each other in gravitation , their interacting effects may not be same. For example earth interacts with moon is seen by moon orbiting earth. But moon interacts with earth is shown by low and high tides. Hence when earth is M1 , then moon is M2 , the effect of gravitation is different and when moon is M1 the earth is M2 ,the effect is different. Which effect would come during interaction of M1 and M2 is all decided by atomic genes. This is also called quantum gravity . Quanta means packet (particle) and Quantum mechanics means triggered by different thoughts i.e. changing of thoughts. Quantum gravity means the interacting particle is divine (changing thoughts) energized (gives energy into system) gravitons (particles) .

Gravity Energized Gravitons are the tiniest batteries of the universe. The functional energy of energized gravitons is slowly being utilized at all level during interaction and thus structure and function of all system (Atom, Solar system. Galaxy and visible universe) are maintained by it . The electrical charge or magnetic property of atoms and particles , sun, planet etc are maintained by energized gravitons._Keeping hydrogen creation diagrams (line diagram of volume -3) in mind following lacunae have been observed as far as concept of gravity is concerned._Why is gravity attractive not repulsive , will be dealt in volume 6 when we will discuss about deepest truth of nature i.e. atomic genetics and programming of universe.

1. Modern physicists consider graviton as a hypothetical particle . But participatory science has proved its existence by explaining the effects. Our instruments are unable to see these particles but our consciousness sees it (biggest and finest measuring instrument of the universe).

1. Energized Gravitons and fall of object.


2. Energized Gravitons and planetary motion.

3. Energized Gravitons and bending of star light.
4. Energized Gravitons and red shift.
5. Energized Gravitons and atomic structure and spectra.
6. Energized Gravitons and atomic clock.
7. Energized Gravitons and weight of object.
8. Energized Gravitons and structure of visible universe.
9. Energized Gravitons and galaxy structure.
10. Energized Gravitons and perihelion of mercury.
11. Energized Gravitons and dying stars.
12. Energized Gravitons and inter orbital shift.
13. Energized Gravitons and merging of galaxies.
14. Energized Gravitons and Binary system.
15. Energized Gravitons and Nuclear fusion on stars (would be discussed separately)
16. Energized Gravitons and Life sciences

2. Modern physicists consider energized graviton as a boson (YIN) Participatory science has proved it a fermions (YANG + YIN). Most of the energized graviton's effect visualizes YIN component of gravity. But YANG part of gravity is clearly visualized in bending of star light by energized gravitons where its YANG component (primary fermion or graviton) interacts with YIN (primary boson) part of photon making YANG – YIN complex (concept of unity of opposite) and there after YANG bends photon with the help of YIN (functional energy of energized graviton or primary bosons) of gravity. Energized graviton losses its energy during interaction but photon's energy remains the same (opposite of explanation of Einstein gravitational red shift) and becomes low energized graviton. Secondly, it is visualized because of super unification is still not proven.

3. Modern physicists believe that gravity is the weakest force in the universe. Participatory science will explain that the roles of energized gravitons are very important in maintaining all structure and function of universe. There is continuous expenditure of energy (primary bosons interact in some interactions while it also transform in to mechanical energy photons in other interactions) for these works. This energy (YIN or primary bosons) is supplied by energized gravitons.

During creation of energized gravitons (see creation physics) a part from its binding energy (B.E.-2), which maintains its integrity, a lot of extra energy was pumped in form of functional energy or primary bosons or dark energy and at each interaction they lose a part of extra energy (functional energy) and become low energy energized gravitons. (figure 11 orbital velocity of planets , figure 11.1, figure 12)

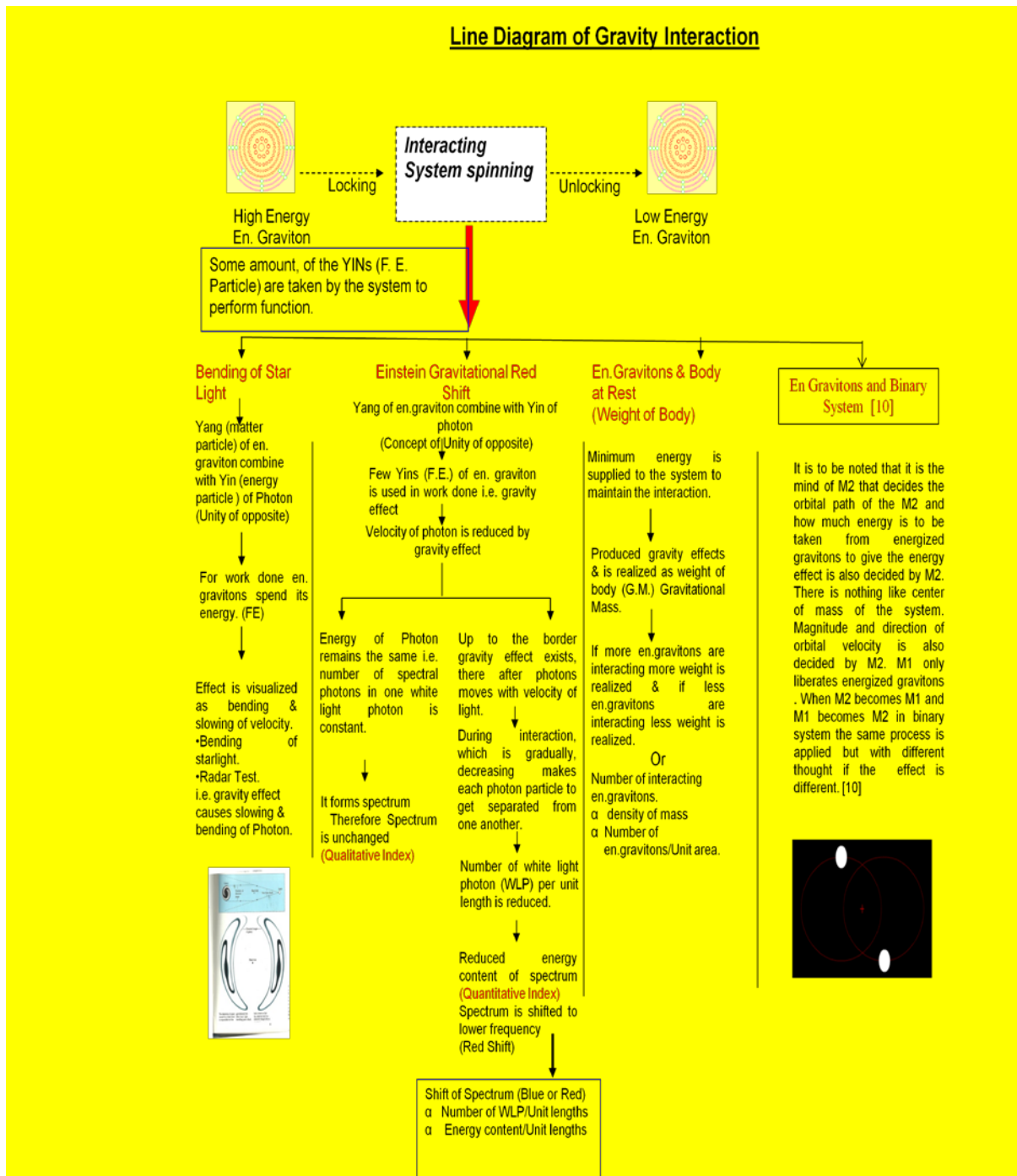


	Time taken to orbit the sun in earth years	Average orbital velocity in miles/second (km/sec)	Angle between orbit of planet and orbit of earth	Time taken to rotate on axis in earth time	Tilt of axis to perpendicular of orbital plane	Average distance from sun in astronomical units*	Average surface temperature in °C	Density relative to water	Equatorial diameter relative to earth diameter†	Mass relative to earth	Escape velocity in miles/second (km/sec)	Number of known moons	Number of known rings	Date of discovery
Mercury	0.24	208 (479)	70°	58 days 15 hr 36 min	0°	0.39	+380° (day) -170° (night)	5.4	0.38	0.06	2.94 (4.28)	0	0	
Venus	0.62	217 (36.0)	3.39°	243 days	178°	0.72	+475°	5.3	0.95	0.82	6.43 (10.36)	0	0	
Earth	1.00	35.5 (29.8)	-	23 hr 56 min	23.45°	1.00	+23°	5.5	1.00	1.00	6.96 (11.18)	1	0	
Mars	1.88	150 (241)	1.85°	24 hr 37 min	24°	1.52	-23°	3.9	0.53	0.11	3.12 (5.02)	2	0	
Jupiter	11.86	61 (31)	1.30°	9 hr 55 min	3°	5.20	-123° (at cloud tops)	1.3	11.2	318	37.06 (59.64)	16	1	
Saturn	29.46	60 (36)	2.49°	10 hr 40 min	27°	9.54	-180° (at cloud tops)	0.7	9.4	95	22.0 (35.41)	17	Extensive system	
Uranus	84.0	4.2 (6.8)	0.77°	16 hr	98°	19.2	-218° (at cloud tops)	1.7	4.1	15	13.3 (21.4)	15	10	1781
Neptune	164.8	14 (54)	1.77°	16 hr	29°	30.1	-228° (at cloud tops)	1.6	3.9	17	14.61 (23.52)	2	1	1846
Pluto	248	2.9 (4.7)	17.2°	6 days 9 hr	50°	39.5	-230°	1.1	0.25	0.002	0.6 (1.0)	1	0	1930

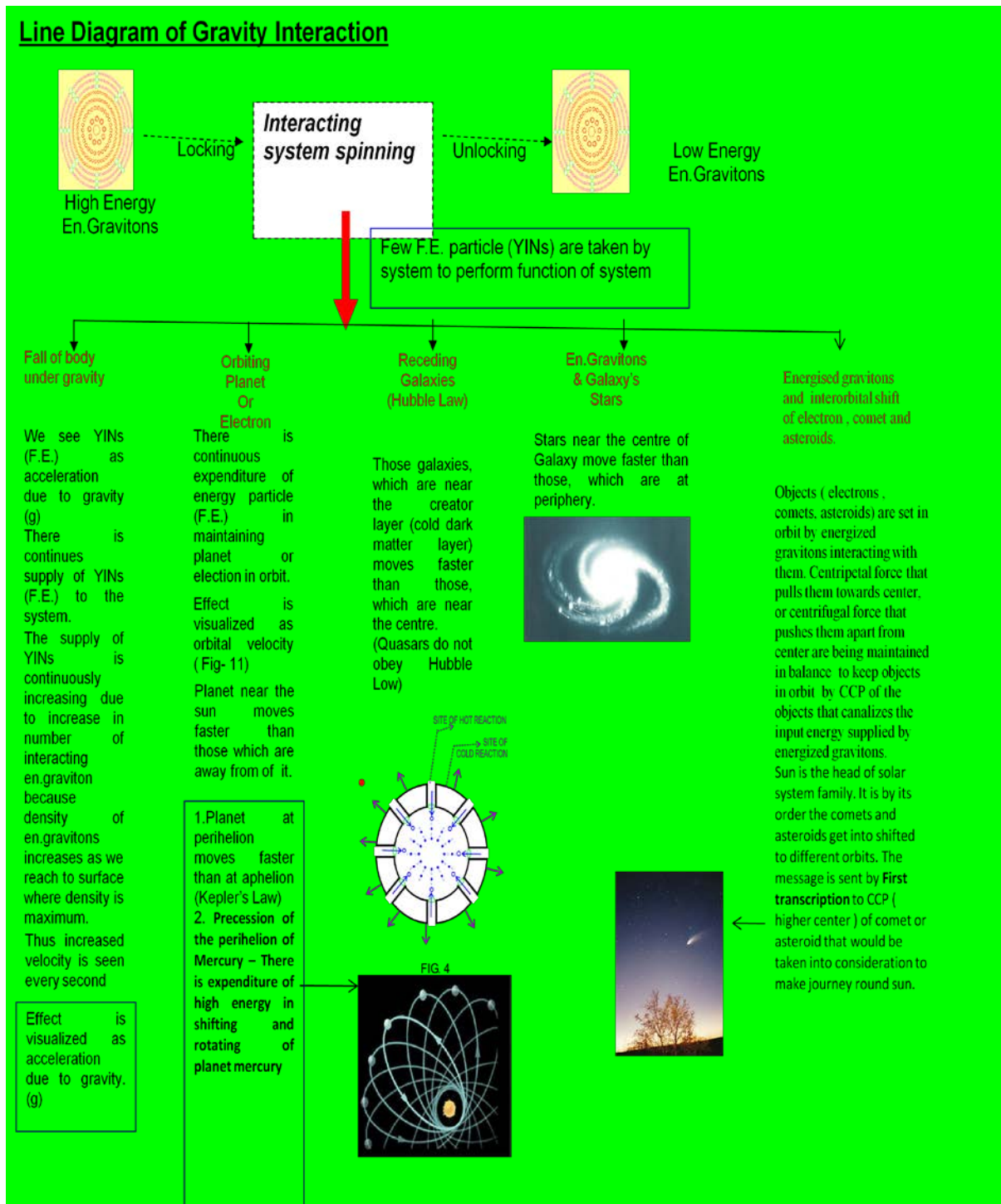
*One astronomical unit is 92,966,000 miles (149,598,000 km). †Earth's diameter is 7,926 miles (12,756 km).

These planets are all visible to the naked eye.

(Figure 11 – orbital velocity of planets)



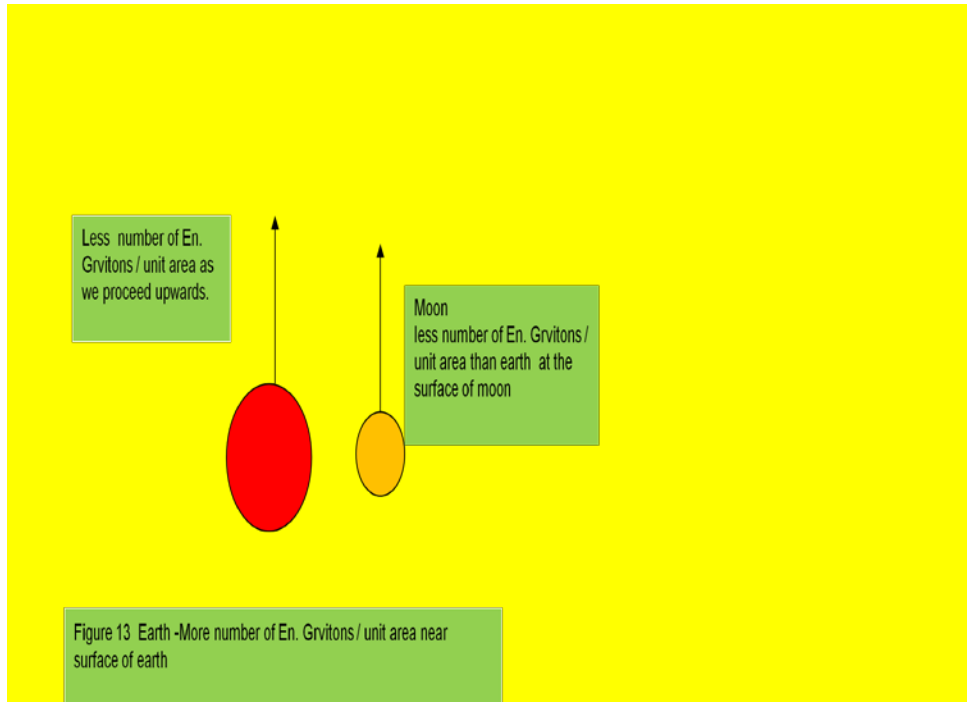
(figure 11.1 – line diagram of gravity interaction)



(figure 12 – line diagram of gravity interaction)

2.8 Gravity According to Participatory Science

1. Earth is liberating energized gravitons and these energized gravitons are more dense near the surface and density reduces as distance from the surface increases. (Figure 13)



2. Density of energized gravitons at the surface is proportional to the mass of the planet.

In this equation it is the number of interacting energized gravitons / unit area are more concerned rather than the mass of body. So, for correct result , one must take number of interact energized gravitons/unit area into consideration rather than mass of planet. Since we cannot calculate number of interacting energized gravitons per unit area therefore we take indirect measure i.e. mass of the planet thus wrong results are recorded. For example: - In case of pin and 10 kg. Weight .. The density of magnetons per unit area liberated by magnet is more than the density of interacting energized gravitons per unit area by earth , therefore pin is pulled up. In case of 10 kg. weight density of magnetons liberated by magnet is less than density of interacting Energized gravitons, therefore 10 kg. Weight remains there. There is difference in density of energized gravitons at the surface of earth and density of interacting energized gravitons in the object .

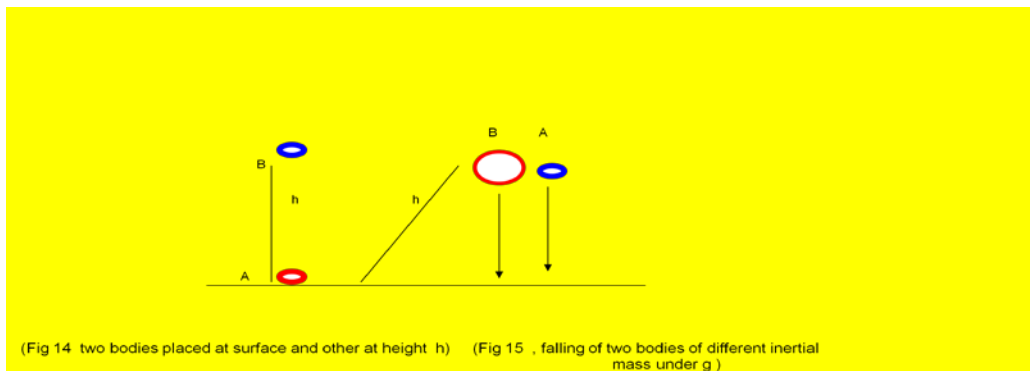
3.Density of energized gravitons at the surface is proportional to mass of planet. Density of interacting energized gravitons is proportional to inertial mass of interacting object. It is decided by MIND of the object (M2) that how much energized gravitons would interact with the outer interacting surfaces of interacting body (M2) to give the desired effect . It is all fed thoughts and feeding was done in pre creation era by the Highest center of the universe .

4. Modern physicists believe that since value of mass changes with velocity hence value of G is not constant . According to participatory science force of attraction of any mass depends upon the energized gravitons concentration released by body. When this body moves or changes its velocity, the energy mass (boson) is added in the system hence the increased mass is energy mass (concept of motion discussed). Therefore its energized gravitons (secondary fermions) concentration and its release is unaffected. Whatever be the velocity

of object, force exerted by the unit masses placed at unit distance will remain same. Therefore value of G is constant. (Bosons and fermions are not inter convertible).

5. Interaction of energized gravitons with different units (photon , electron, quark, proton, neutron , nucleus of the atom, apple, matter of different densities , planets, satellites , suns , and receding galaxies of the universe.) depends upon the fed programming (Fed thoughts) done during pre creation era by highest center of the universe.

2.9 Gravity and Fall of Bodies (Energized Gravitons & Fall of Object)



1, Two bodies A and B placed at different height have same energy content except interaction of energized gravitons in A are more and in B are less. (Fig –14) After a certain distance (critical value) interaction is below critical value therefore no effect is visualized or realized and body becomes weight less (zero gravity effect). Any object at rest on the ground or at height h has same potential energy i.e. zero (Fig. – 14).

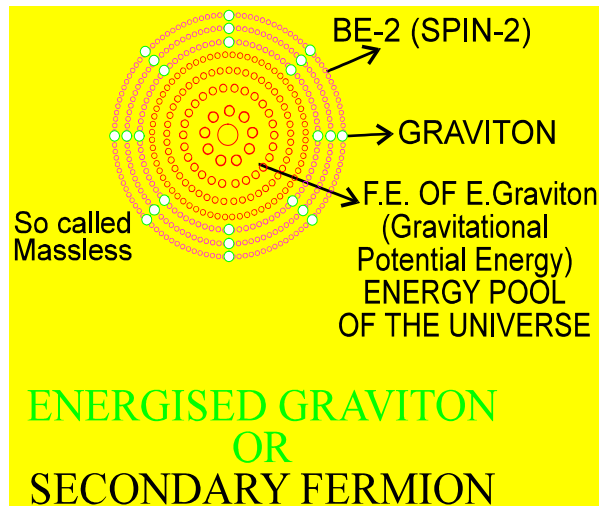
2. Leaning tower of Pisa (Fig. – 15) Gravity and falling of bodies of different masses: Since interaction is proportional to energized gravitons present in unit area and also it is proportional to inertial mass (Number of interacting surfaces) of falling body, therefore to achieve same acceleration B takes more energy from energized gravitons than A (inertial mass of B is more than A). Or more energized gravitons are interacting in B than in A. Thus both has same acceleration (g) and thus they touch the ground simultaneously. We see mass of earth is constant for both and both are exposed to same concentration of energized gravitons per unit area but interactions with energized gravitons are different in both.

Finally:- Both touches ground simultaneously. Interaction of energized gravitons is more in B because it has more inertial mass than A. Release of YINs (energy quanta) from energized gravitons is more in B than in A to achieve same acceleration (concept of motion as discussed). At the surface of the earth energy content of B is more than A.

3. Solid and liquid do fall under gravity (g) but gas does not why? The reason is thought of fall is not triggered in gases hence gas (M2) does not give fall effect but once gas state transform into liquid or solid , thought of fall triggers and we see rain fall or snow fall . But gases have weight . Hence weight effect is different that fall

effect and both are triggered by different thoughts (conditioned stimulation). Whatever effect is seen in gravity interaction is all due to thought expression of M2.

2.10 Energized Graviton and Its Energies



(Fig-16 energies of energized gravitons_)

There are two types of energy involvement in energized graviton . (Fig-16)

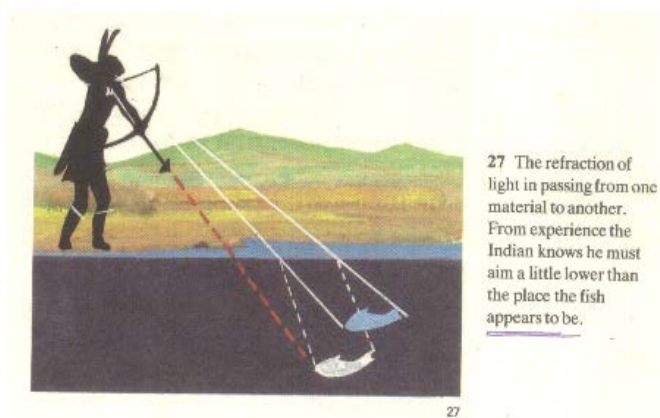
1.Binding Energy (B.E-2 or spin-2.)----It is involved since creation of particle and it maintains integrity or basic structure of particle. Proton life span is 10^{31} years. It prevents proton to decay immediately in to smaller masses but decay is continuous process. Nucleons decay into energized gravitons forming gravity field. Thus decay will continue as long as 10^{31} years when proton inertial mass will become half of its original inertial mass. Proton's life span represents life span of quarks as they are made up of quarks and quark's life span depends upon number of energized gravitons released from quarks. Till 10^{31} years the proton will have its properties activated and it will behave as proton. Nucleons (protons, neutrons loose their inertial mass when they become neutron stars) are gradually losing their inertial masses but properties (spin and gravitational mass) remains the same and these are activated till their life span is over.

Functional Energy (F.E.) It is also called ATOMIC ENERGY .This energy was pumped during creation into gravitons and making them energized gravitons (Fig- 16) and it is used continuously for maintaining the functions of different systems of the universe starting from electrons in orbit of atomic structure, planets in orbits of solar system, all stars in their orbit of galaxies and Hubble law of the receding galaxies of universe by energized gravitons of cold dark matter layer of universe. . Charge property of quarks and charge and magnetic property of electron are maintained by Functional energy of energized gravitons or due to their decay . Thus indirectly charge and magnetic property of proton and electron or nucleus are maintained by their energized gravitons which form them. Energy liberated in nuclear fission and fusion also comes from this pool.

Generation of electrical energy of Damp (turbines) comes from same energy pool. Primary Bosons (F.E. of energized gravitons) of energized gravitons do interact with photons (secondary bosons) , polychromatic light (tertiary bosons) electrons and quarks (tertiary fermions) , protons and neutrons (quaternary fermions) , nucleus of atom (gases only) to give gravity effects while Primary bosons of F.E. transform into Photons (secondary bosons or kinetic energy or mechanical energy) to interact with nucleus of the atoms (liquid and solids) to give effects of gravity like falling of bodies under gravity or acceleration due to gravity (g) and having planets and satellites in the orbits and other gravity effects

2.11 Gravitational Lens Effect or interaction of energized gravitons and photons

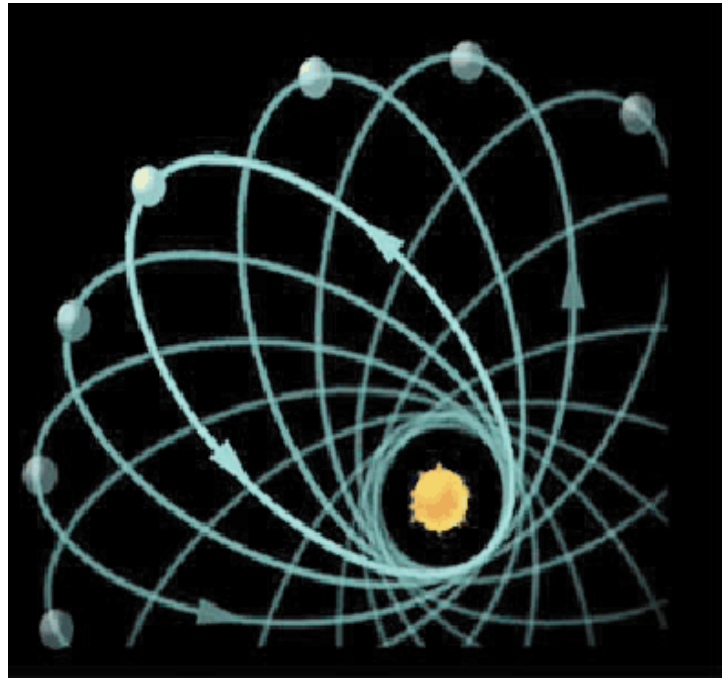
It does not involve principles of lens magnification therefore it is not lens effect rather it is gravitational magnification effect due to deflection gradient produced by energized gravitons among parallel rays of light approaching to observer making image. 1.Shifted from original position ,2.Distorted from original shape , 3.Magnification from original size.. The detail mechanics will be given when role of eyes and brain will be discussed in seeing any object. Because whatever we see or realize (3-D effect) ,it is our eyes which interact with image forming photons and brain which realizes the effect (picture formation site for both real and apparent images). Consciousness can only differentiate between these two pictures when it is previously trained (conditioned or acquired reflex). All apparent images (Distortion deflection and magnification) are formed in brain not outside as eyes (Retina) receive image-forming photons (apparent or real). These image-carrying photons get altered due to interaction with energized gravitons and this altered image is received by retina and formed in brain (ophthalmic area). Finally consciousness realizes or translate (in RAS) distortion deflection and magnification. For example: Hunters while killing fish under water do not aim at apparent image because their consciousness knows that this image is an illusion. Thus illusion is produced by image forming photons. In reality image forming photons get altered (in their distribution), while they cross water (media property of refraction) and these photons are received by eyes (retina) and the image (3-d realization) is formed in brain and consciousness sees altered image i.e. fish as if it is located, where modern physicists draw diagram in explaining the effect of refraction. They draw position of apparent image of fish out side the brain i.e. in the water and in reality the apparent image (altered image) is formed in the brain . (Fig-17)



(Fig-17 Eyes see different than what the brain sees)

2.12 Gravity and Mercury Planet or energized gravitons and planet mercury.- Causes of rotating (anticlockwise) and shifting (531 arc sec/century) ---It is due to conditioned thought stimulation of CCP of higher center of the mercury planet(M2) which is being triggered by forces (Kinetic energy force particles) produced by rapid change in interaction (high-energized gravitons in high-density area + high momentum of planet at perihelion which is due to high velocity)

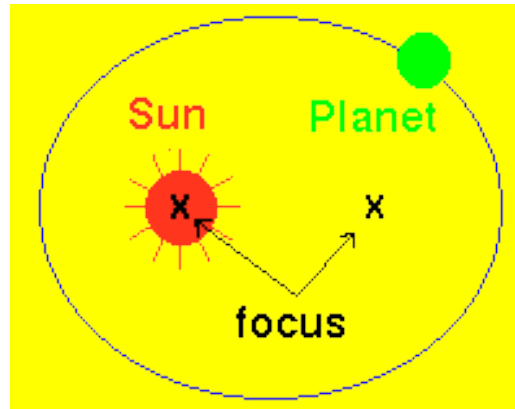
Q. Why does elliptical path of mercury planet found to be rotating and shifting?



(figure 18, Elliptical path, rotating and shifting of orbit)

Elliptical path, rotating and shifting of orbit (figure 18)are produced due to thought stimulation of CCP of higher center of the mercury planet- 1.Thought of elliptical orbit .It is also called inter orbital shift effect. Unless there is inter orbital shift effect , planet cannot be set in elliptical orbit. This inter orbital shift effect is different from inter orbital shift effect of comet etc as which is triggered by sun (conditioned stimulation) . 2.Thought of shifting of orbit at perihelion by 531 arc sec/ century (numerical mindness) 3.Thought of rotation of orbit anticlock wise . First thought is triggered by unconditioned way and the mercury planet is set in elliptical orbit. This leads to formation of perihelion and aphelion. And there develops rapid change in gravitational force interaction (F.E.) .At aphelion interaction with energized gravitons is less therefore decreased energy input thus slow velocity of planet, at perihelion more interaction of energized graviton therefore high energy input leading to high velocity of planet. (please see also Kepler's 1st & 2nd law).

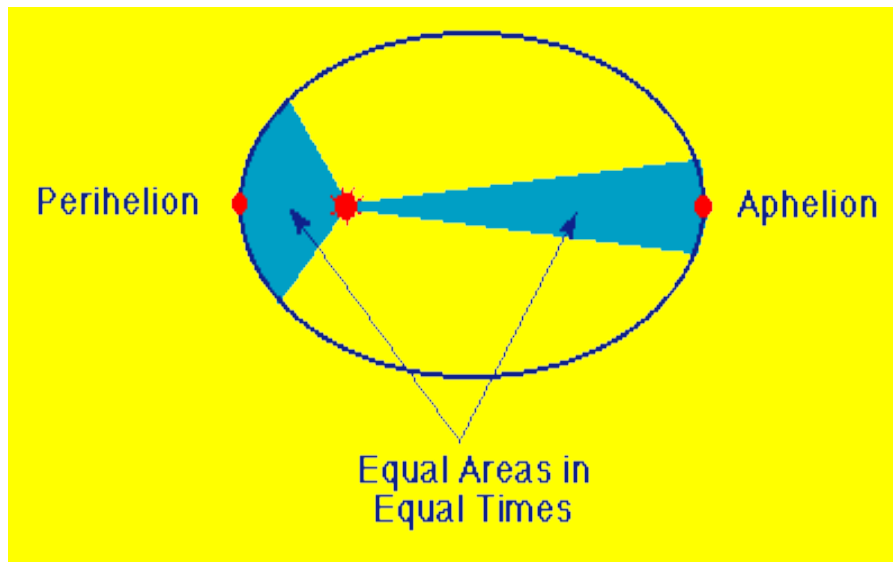
Kepler's First Law: (figure 19)- I. The orbits of the planets are ellipses, with the Sun at one focus of the ellipse.



(figure 19– Kepler’s first law)

Kepler's First Law is illustrated in the image shown above. The Sun is not at the center of the ellipse, but is instead at one focus (generally there is nothing at the other focus of the ellipse). The planet then follows the ellipse in its orbit, which means that the Earth-Sun distance is constantly changing as the planet goes around its orbit. For purpose of illustration we have shown the orbit as rather eccentric; remember that the actual orbits are much less eccentric than this.

Kepler's Second Law (figure 20) II. The line joining the planet to the Sun sweeps out equal areas in equal times as the planet travels around the ellipse.



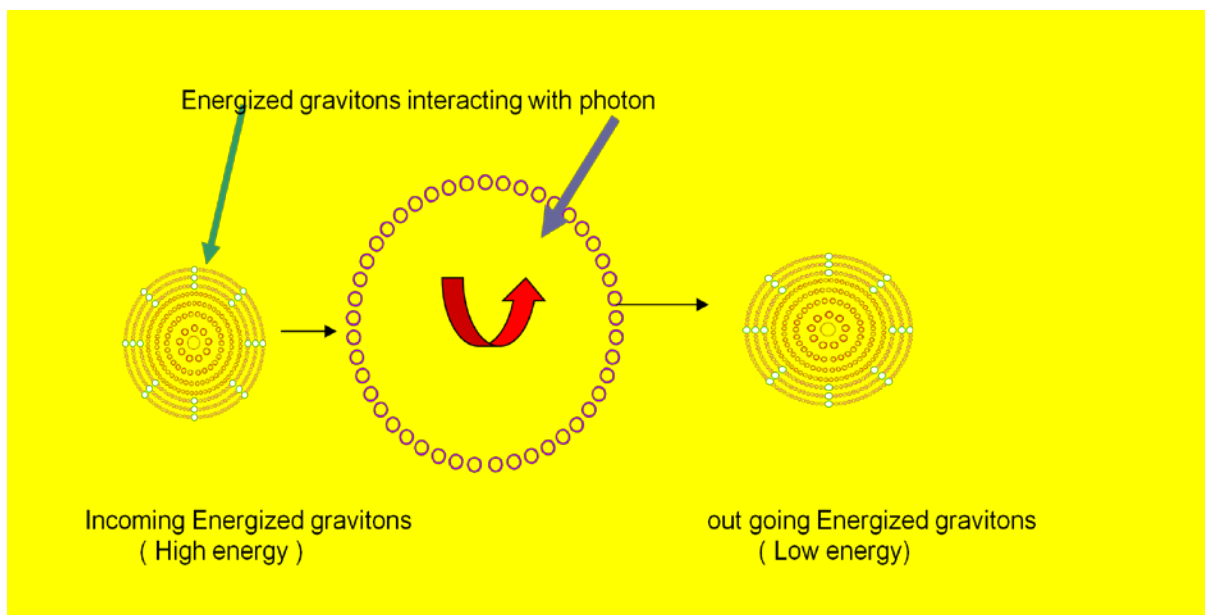
(figure 20 – Kepler’s second law)

Kepler's second law is illustrated in the preceding figure. The line joining the Sun and planet sweeps out equal areas in equal times, so the planet moves faster when it is nearer the Sun. Thus, a planet executes elliptical motion with constantly changing angular speed as it moves about its orbit. The point of nearest approach of the planet to the Sun is termed *perihelion*; the point of greatest separation is termed *aphelion*. Hence, by Kepler's second law, the planet moves fastest when it is near perihelion and slowest when it is near aphelion.

Since energized gravitons input energy (F.E.) is fluctuating as the orbit set by thoughts are elliptical therefore other two thoughts are also triggered when planet reaches at perihelion and triggering stimulus is rapid change in interaction (high-energized gravitons in high-density area + high momentum of planet at perihelion which is due to high velocity) . This time thought stimulation is conditioned.

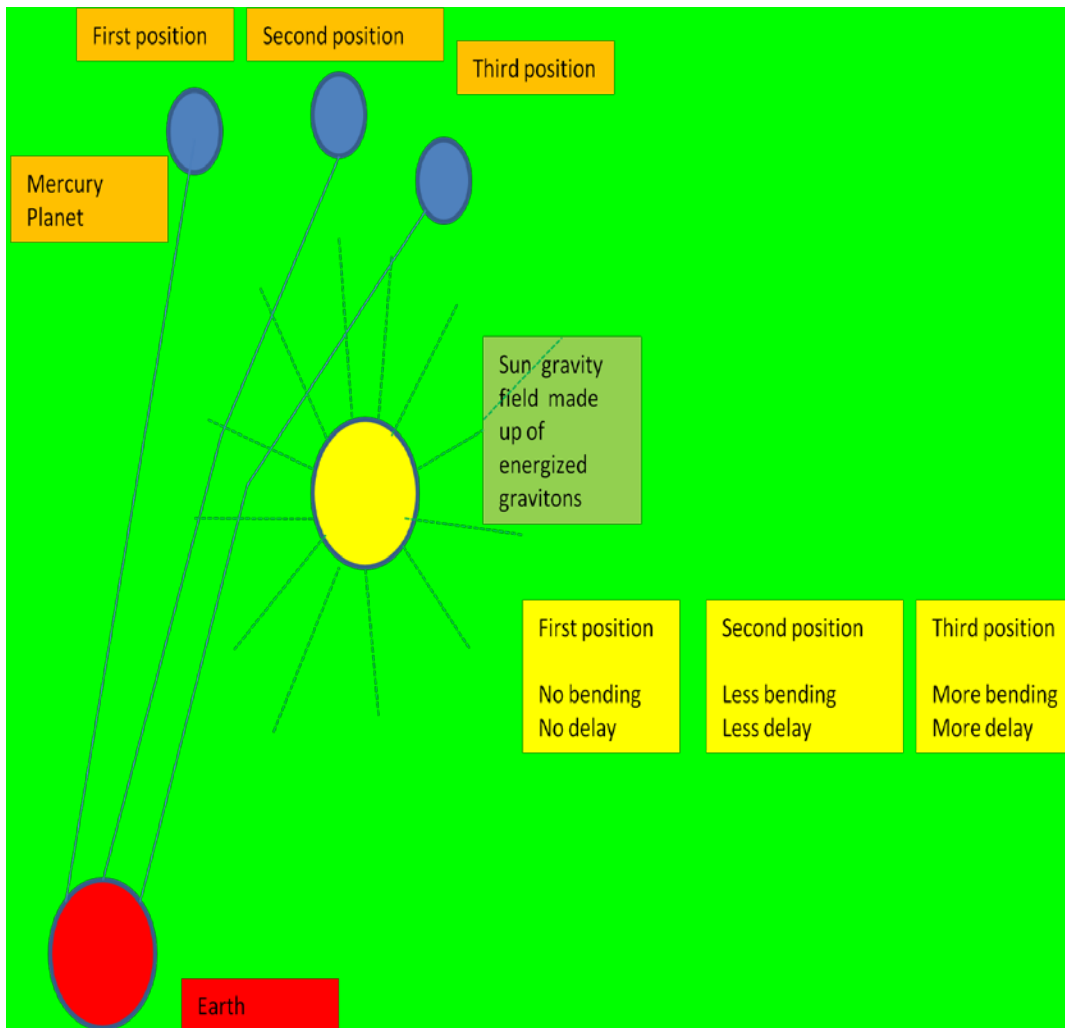
. There is shift of 571 arc sec/century.. Shift is due to triggering of thought of shifting of orbit at perihelion and it is being triggered by rapid change in interaction (high-energized gravitons in high-density area + high momentum of planet at perihelion which is due to high velocity) at perihelion that makes planet to shift slight at each rotation. Inertial force (centrifugal) make it away from orbit but (centripetal) force puts it into the orbit. During this interaction due to its thought (interaction of mind and mass), it shifts every time slightly anti clockwise because planet is orbiting anti clockwise. The interaction with energized gravitons is not same all the time and it produces imbalance in forces and momentum. At perihelion there is thought of shifting plus there is high energy input also , so this energy is used in the work done thus there is shifting of the planet anticlock wise. (it has noting to do with influence of other planets on mercury). These are fed thoughts and feeding was done in pre creation era by Highest center of universe.(pl see figure 23 and figure 24, figure 25)

2.13 Interaction of Photon (Boson) with energized Gravitons (Fermions) As soon photon leaves the massive body (starlight,) or when it passes near massive body (quasar light) , it interacts with many energized gravitons of massive body. If the concentration of gravitons per unit area is above critical value the effect is visualized and if it is below critical value the effect is not visualized. The property of energized graviton (yang part only) is, when it interacts with boson (yin) the resultant is attraction. The energy utilized in this effect is from energized gravitons. The amount of energy of photon is much higher than the energy involved in attraction or velocity is much higher than those of escape velocity of massive body. So, a type of dragging effect develops which causes. (Fig –21 and figure 22)



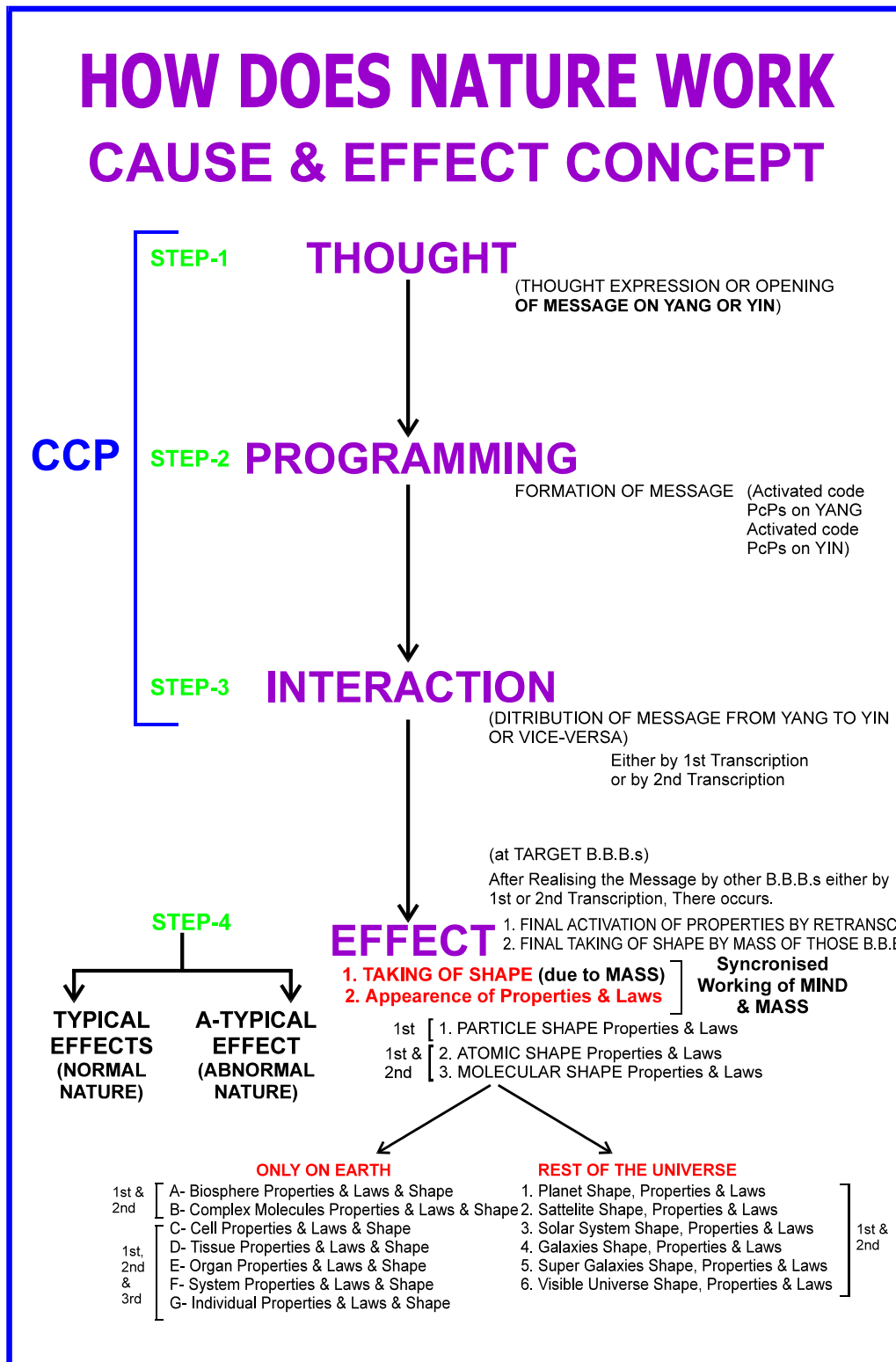
(figure 21 energized graviton interacting with photon of massive body)

1. Bending , 2. Slowing of velocity , 3. Gravitational red shift

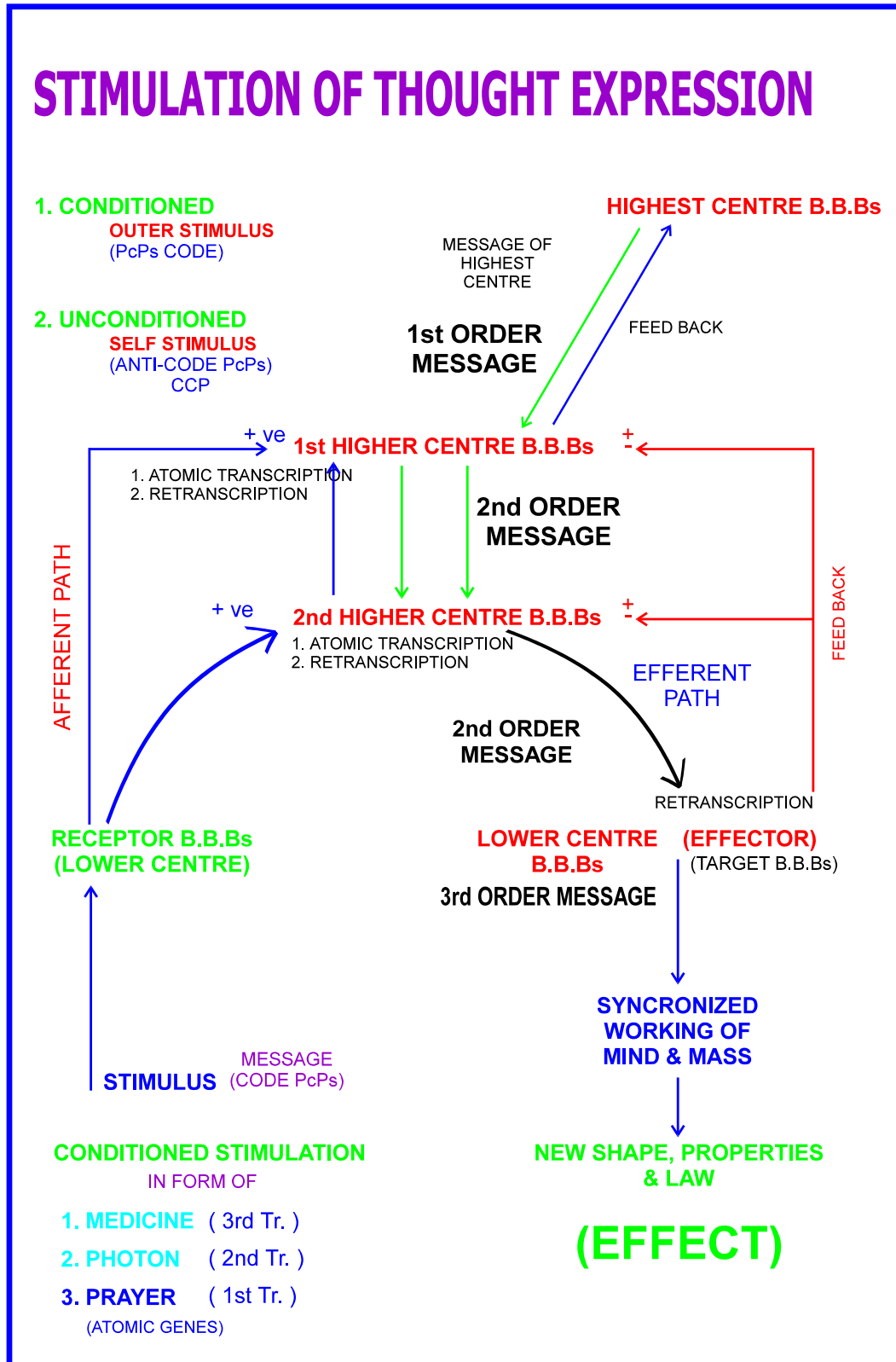


(figure 22 radar test)

When the photon leaves effective area , the interaction stops and it moves straight and with its original velocity. Quanta of photon (amount of energy in one particle) does not reduce (Qualitative Index) but space between the two quanta increases (Quantitative Index). This reduced energy particle per unit length (Quantitative Index) causes red shift effect (wavelength of lower frequency) but spectral series (number and type - Qualitative Index) remain the same. Thus causing gravitational red shift. Quality of spectrum is unchanged but quantity of spectrum is lowered. The spectrum has got two indices one is qualitative index formed by quanta of each photon. While the shift is formed by number of photons per unit length calling quantitative index. If number of photons per unit length is increasing , it causes blue shift and if number of photons per unit length is decreasing , it causes red shift in the spectrum. The energy is supplied by energized gravitons in work done. Each Photon's energy remains the same. The same principle is applied with Doppler's red shift and blue shift. (Note: The detail mechanics will be given by participatory spectroscopy science after knowing atomic genetics)

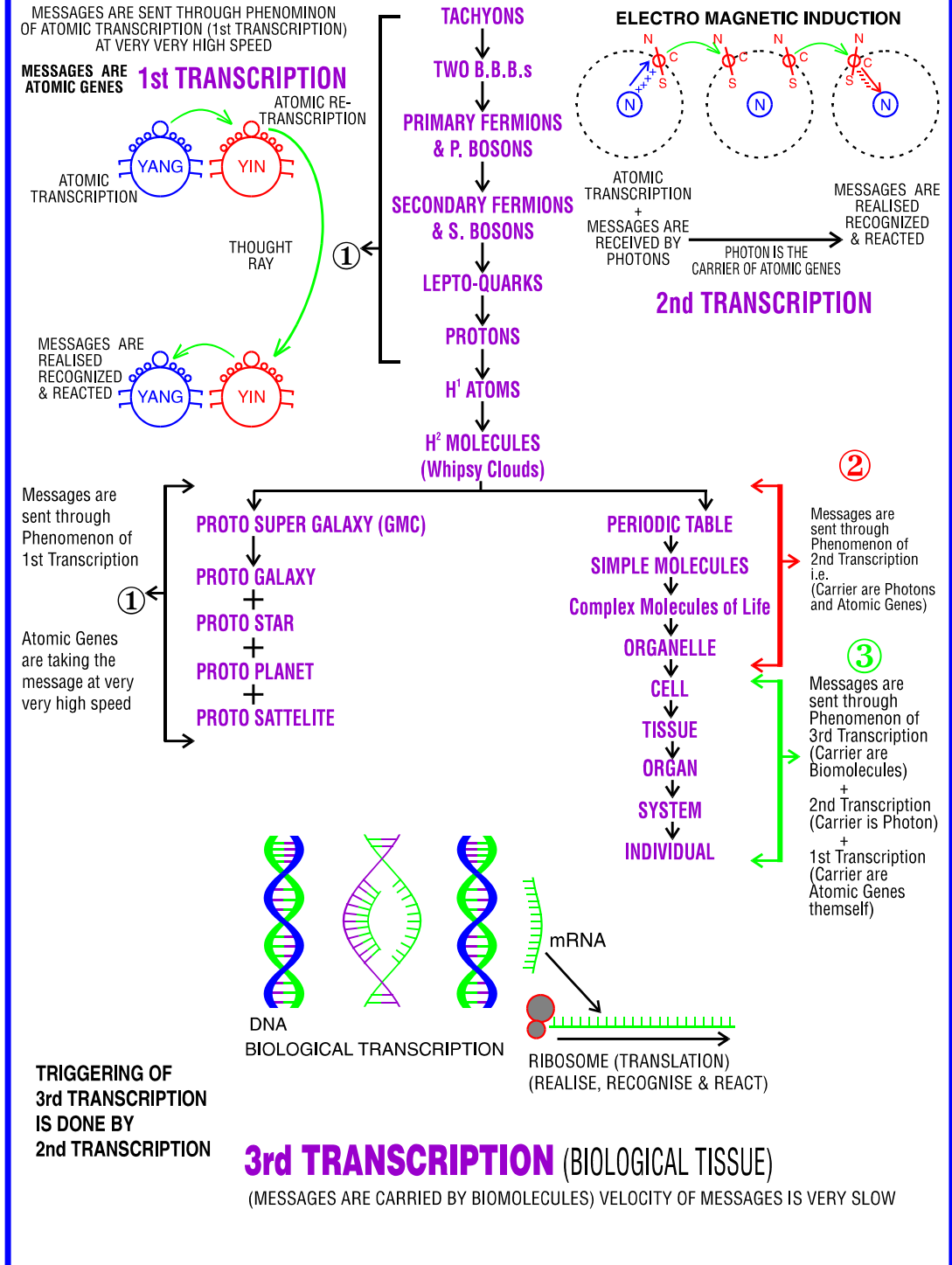


(figure-23: How does nature work)



(figure –24: Stimulation of thought expressions)

MESSAGE SYSTEMS OF THE UNIVERSE



(figure 25 – message system of the universe)

3. Conclusion

It is to be noted that it is the mind of M2 that decides orbital path of the M2 and how much energy is to be taken from energized gravitons to give the energy effect (whether it is acceleration due to gravity effect (g) or orbital velocity effect, centripetal effect or centrifugal effect i.e. inter orbital shift, weight of object (G.M. effect) and Hubble law effect,) is also decided by M2. Hence M2 decides how much energized gravitons is to be locked to give desired effect. There has been many energized gravitons strings coming simultaneously in contact with M2 but how much energized gravitons is to be locked to interacting surfaces (Yins of M2) is decided by M2 (higher center of M2 i.e. yang B.B.B for fermions and yin B.B.B for bosons). Mind of M1 only triggers attraction effect (direction is decided by yang B.B.B of energized gravitons) i.e. fall effect, bending effect, gravitational red shift effect and retardation in velocity effect. If there is inter orbital shift effect, it is also decided by M1. But magnitude of these effects (fall effect, bending effect, gravitational red shift effect and retardation in velocity effect) is decided by M2. These thoughts are fed thoughts and feeding was done in pre creation era by Highest center of the universe. Setting of thought expression is fixed (different) in fixed (different) frame of reference. That is what Quantum Gravity means. It is Time mind ness that triggers the destined thought. Hence our universe is Deterministic Universe and it is atomic genes that control this determinism. The details shall be studied in atomic genetics. There is one law in gravitation interaction i.e. interactions are destined and they are different in different frame of reference and the interactions are triggered by Mind of interacting bodies and the effect is also decided by mind of interacting bodies and there is expenditure of energy in gravity work done (gravitational effects) and that is supplied by energized gravitons.

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