

## STAR MECHANISM/Space Dynamics-V3 (An Experimental Monograph)

### 01. SCIENTIST'S IMAGINATIONS OF SUN

Ancient people believed Sun as a God and they worshiped it. Even today, by the beginning of 21<sup>st</sup> century, though the subject stock of knowledge is much heavy, a big difference could not be observed because, the unknown of Sun is much bigger than the known.

There are plenty of scientist's imaginations of Sun (or stars in common), to fill book shelves and web spaces but most of the theorizations are not correct and could not be proven **experimentally**, **mathematically** or **logically**. Moreover they are **imaginations** based only on **observations**.

Just for an example, it is said that the core of Sun is very hard and dense. In some diagrams it is shown like a boiled egg yolk. But simply to be frank, has anybody visited to the core of Sun? The only possible media of getting information from Sun is light & energy rays, electromagnetic waves and solar wind (the flux of emission of charged particles). Can we ever deduce what is there in the mid core by such inadequate resources of information?

By the way, let it be anything in the core but simply what is there on the surface of Sun? What is that **thick liquid like material** to be observed on the surface? Neither Hydrogen nor Helium can exist as a thick liquid under such a high temperature at the radiating layer of Sun. The fundamentals of **chemistry** or **physics** must be **universal**, **eternal** and could not be deferent from place to place in the **space**. Americans have already proven that fundamental realities of science are not different there on Moon.

Not only of Sun but also in case of Earth, we have been taught to believe, from our school days, a hard core in Earth just like the **egg yolk**. Can anybody visit or at least drill a hole by any modern tool towards the core? No, even the strongest energy ray or any electromagnetic wave cannot pass through the core of Earth to bring any information. Otherwise what's the use of so costly satellites and we could have spoken to America from Asia directly through the core of the Globe. So to be frank, majority of information that we have collected at present, are imaginations of scientists or in other words **theorization in absence of adequate data**.

However **imagination** has to be recognized as an **essential skill** for exploration and it is the **first step towards reality**. But several more steps are there to be followed and imaginations have to be proven **experimentally**, **mathematically** or **logically**. Not only imaginations but also our big stock of **concepts and theories**, have to be tested and challenged frequently or otherwise they could become **beliefs** or **rules** for our kids to **obey**. An enormous stock of **unfiltered knowledge** is being accumulated there, for

our unfortunate kids to learn and that has already gone beyond the **carrying capacity** of a **healthy human brain**.

## 02. SCIENTIFIC DEDUCTION

There is a big difference between ‘Imagination’ and ‘Scientific Deduction’. A clever analyst uses many tools to deduce his **raw imagination** into a **theory** and if the tools used in his exploration are **scientific and logical** enough, then the process becomes a ‘**Scientific Deduction**’.

### PHYSICAL FACULTY OBSERVATORY DEPARTMENTS

1. EYE-sight
2. BODY-tactile
3. EAR-Auditory
4. TONGUE-Taste
5. NOSE-Smell

### COGNITIVE FACULTY DEDUCTIVE DEPARTMENTS

1. Observations
2. Principles
3. Theories & Accepted Concepts
4. Rules & Laws
5. Logics & Ethics

When information from the **Observatory Department** is not adequate for theorization, the **Cognitive Faculty** (mind) of an analyst should carry out a heavy work load perhaps through years or decades for the deduction towards the **Reality**.

***Creativity is the essential Skill for Imagination and Logical Thinking is the valueless tool in Scientific Deduction.***

## 03. THEORY OF GRAVITY AND DEFINITION OF INVERTED GRAVITY

Sir Issac Newton (17<sup>th</sup> century) has found Gravity and it was well explained such as;

$$G = \frac{kM}{R^2}$$

Where,

G – Acceleration of Gravity (the best physical measure to identify Gravity) {cm/s<sup>2</sup>}

M – Mass of the Gravity Source {g}

R – Distance from the source {cm}

k – Gravitational Constant { 6.668 x 10<sup>-8</sup> cm<sup>3</sup> /gs<sup>2</sup>}

Physical qualities of Gravity and **Gravity based Dynamics** are so clearly explained that, mass of Sun, Earth or other planets in solar system could not have been worked out as yet perhaps, unless that great scientist was born.

The far extent of the subject that he developed could never be challenged, but as a matter of fact, most of our present day scientists, seem to have marched far off, without even measuring their imaginations by use of the tool box of **Gravitational Logics**.

Otherwise how do we say Moon is rotated by the oceanic tidal waves on Earth? Then how could Mars keep two Moons rotating about without having a drop of water on it? Imagination is admirable but lack of deduction could lead towards **Uncertainty** where modern scientists seem to move.

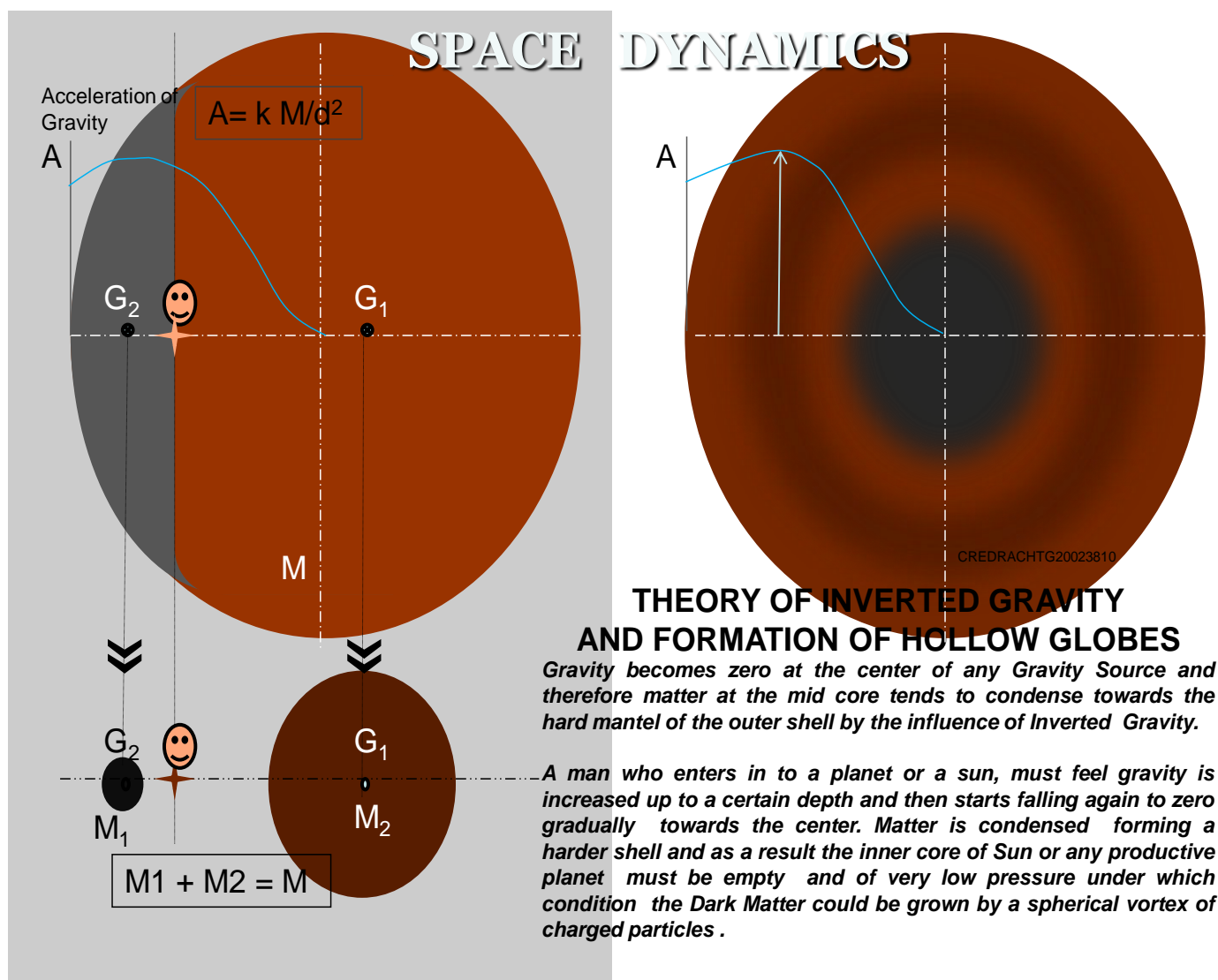


FIGURE-1

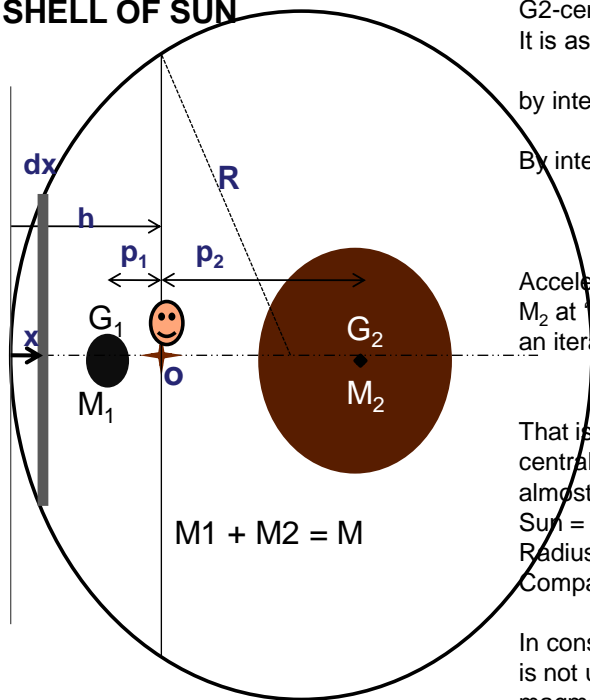
**What is there in the core of Sun?**

As shown in the figure-1, a man enters in to the body of Sun, up to a certain depth, and he observes the acceleration of gravity towards the center is being increased because the distance 'R' to center of gravity is decreasing.

But from a particular depth it starts decreasing because the mass that he has already passed must pull him back. According to Newton's relation of Gravity, 'G' (acceleration of gravity) is directly proportionate to 'M'(mass of the gravity source) and what then if a part of the gravity source is at his back? Gravitational attraction towards the centre must be decreased by the pull back.

It clearly proves that 'G' is decreasing again towards the centre to be zero at the exact mid. So the mid core of Sun must be **empty** and of **low pressure** as well because matter at the core is pulled and condensed towards a harder outer shell.

**THE GRAVITY CENTRIC HARD SHELL OF SUN**



G1-center of gravity of the rear body mass M1  
 G2-center of gravity of the body mass M2 at the front  
 It is assumed that density of the body 'ρ' is uniform through out.

by integration of  $d_m(x)$  ,  $M_1 = \rho\pi h^2 (R-h/3)$   
 $M_2 = \rho\pi/3 (4R^3 - 3Rh^2 + h^3)$   
 By integration of moment by  $d_m(x)$  ,  
 $p_1 = h(8R-3h)/4(3R-h)$   
 $p_2 = 2R-h$

Acceleration of gravity by  $M_1$  at 'O' = Acceleration of gravity by  $M_2$  at 'O'. We get a much complex expression of R & h and by an iteration h can be computed as;  
 $h \approx 0.695R$   
 =====

That is the distance to the hard shell at which gravity is centralized to form a hard shell in a fluidic spherical body of almost uniform density. Therefore the radius to the hard shell of Sun =  $0.305 \times 6.960 \times 10^{10} = 2.122 \times 10^{10}$  cm  
 Radius of Jupiter =  $7.135 \times 10^9$  cm  
 Comparably it is 3 times bigger than the radius of Jupiter.

In consideration of a hard planet, the density of the body mass is not uniform because the matter is in both solid and liquid magma phase and therefore the Gravity Centric Shell must be located a bit more out wards from the center.

SPACE DYNAMICS  
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But Sun is entirely of liquid form and the hard shell must be almost at  $h \approx 0.695R$  where R is the radius of Sun.

FIGURE-2

*A science is not improved as far as theories remain unchallenged*

Not only Sun but also Earth too is empty due to the influence of **Inverted Gravity** and there is a big factory in the core of Earth where **Atomic Matter** is produced in large scale to **expand** the Globe from time to time under **reversed magnetic poles** conditions.(pl refer '*Earth Mechanism*'/*Space Dynamics Volume-3*)

However ultimately, **Inverted Gravity** is nothing new but a chip of the old block, **Newton**, and if he lived another couple of weeks he could have explained it to the world.

But the theory of **Gravity Deviation** is quite novel of a finding and it was the exact missing linkage theory needed to explain dynamics in **the macroscopic scale of worlds** such as orbiting of planets about Sun. (pl refer '*Space Dynamics-V2*' for mechanism of gravity and the theory of gravity deviation)

#### 04. DEDUCTION OF STAR MECHANISM

Let us deduce what can be there in Sun and what process is going on there through billions of years.

##### 4.1 *The essential available tools for the deduction:*

1. Gravity and Inverted Gravity
2. Nuclear Chemistry
3. Electricity
4. Magnetism

##### 4.2 *Gravitational Logics:*

**GRAVITY is the phenomenon by which any object of ATOMIC MASS is held by a FORCE of attraction towards the GRAVITY SOURCE in the space medium.**

Gravitational logic says atomic matter in the body of Sun must be condensed towards the **Centre of Gravity** due to attraction. Therefore denser materials should be deeper sunken in the body. But in accordance with the theory of **Inverted Gravity**, matter at the mid is also condensed outwards and as a result a **harder shell** is formed at a certain distance from the center, which can be calculated by mathematics.

Pressure is generally built up where matter is condensed and therefore the **hard sell** of Sun is the zone of **maximum pressure** too.

### 4.3 Nuclear Chemistry

So far known theories in nuclear chemistry such as **nuclear fusion** and **nuclear fission** are not adequate to explain Star Mechanism.

*(Waiting, till everything is observed by Astronomers or found practically in laboratories could be perhaps too late at a time like this whence the Global Human Civilization is nearing a tragic fall).*

Therefore, some fundamental cosmic reactions which could be deduced through **Scientific Deduction**, are furnished herein to draw the Nuclear Chemist's attention aiming improvements.

#### 4.31 The 2<sup>nd</sup> Fundamental Cosmic Reaction (2<sup>nd</sup> FCR)

*Working on hypothesis for a start, perhaps brings light upon things in the darkness and also, it is an essential feature in the art of 'Scientific Deduction'.*

##### The hypothesis:

*Being exposed to the high Pressure of the Space Medium, a Neutron is exploded in to a Hydrogen atom, originating the Universe.*

This is worth naming as '**Elementary Big Bang**' because the explosion is of the biggest size and it expands the volume of a **Neutron**  $\{^{4/3} \pi(10^{-13})^3 \text{ cm}^3\}$  by **10<sup>15</sup> times** to be a **Hydrogen** atom  $\{^{4/3} \pi(10^{-8})^3 \text{ cm}^3 \}$ .

$$n = p + e + \Delta V = H$$

Where; n-neutron, p-proton,  $\Delta V$ -volumetric energy and H-hydrogen.(pl refer Space Dynamics –V1/2009 for definition of volumetric energy)

This phenomenon cannot be limited to the history but it is a timeless process which is ever being done to exhibit the **Cyclic Dynamic** behavior in the Nature. Therefore Moons, Planets, Stars and Galaxies are being born even today with no difference and it is the "**Phase Transformation of Space Matter**". (pl refer paragraph 6 of '**Space Dynamics-V1 /2009**' for structures of the three phases of space matter)

**Atomic Matter** is generally led to the **Nuclear Reaction** by increased **External Energy Level** and that condition is reached by two different paths such as;

#### 4.32 Nuclear Fusion:(external pressure brakes the atomic structure to combine nucleuses)

Atom is the marvelous structure which creates the universe and it is a **store of energy**. Within the atom, the infinitesimal particles of mass, identified such as electrons, protons & neutrons are in a high dynamic **spherical vortex**. That kinetic energy in the store is released at once when the skin boundary of the atom is broken by external pressure. (pl refer **Space Dynamics Volume-1/2009** for the **Theory of Skin Boundary** of Matter)

It ought not to be only of the **Hydrogen** family but any atomic matter undergoes to the reaction if it is pressurized beyond the **ultimate bearing limit** of the structure. Then it can be a fusion and hydrogen family possesses the easiest structure to be broken by pressure.

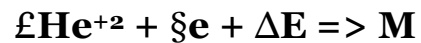
#### 4.33 Nuclear Fission:(energy rays brake the nucleus)

Intensive attack upon the atom by high energy rays such as **γ(gamma)** can break the atomic structure by which the atomic energy store is released off all at once. In this a huge nucleus is broken in to small nucleuses and energy.

It ought not to be only the radioactive or isotopic family but they are the easiest elements to be broken by energy rays.

#### 4.34 The 3<sup>rd</sup> FCR (formation of Magma by Helium Ions)

This is the most important reaction which creates **solar systems with planets** and the relation can be expressed such as;



Where; **§** & **£**- constants, **e**-electron, **ΔE**- energy, **He<sup>+2</sup>** –helium ion and **M**-magma

Magma is known to us as the parent material of soil formation on planets but nobody would be prepared to accept magma as the main material in the Sun.

But as per the results from the model of **Scientific Deduction**, magma is born at first from Helium in **Stars** as a byproduct of the **nuclear fusion**.

Planets in the space could never be self born by condensed hydrogen clouds but they are made of cooled magma projected out from Stars at Solar Big Bangs and contracted to get hydrostatic shape due to self gravity.

#### 4.35 The 4<sup>th</sup> FCR (formation of Soil and the Living Environment)

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*A science is not improved as far as theories remain unchallenged*

*Cyril H Thalpe Gamage*

*Page 7*

This is the only FCR that we can observe even on Earth and volcanoes shows how soil is formed by decaying and weathering of solidified magma. Not only soils but all the other elements and compounds such as oxygen, water, salt, hydrocarbons etc are also belong to the out comes through a series of complicated processes of decaying magma during billions of years.

#### 4.36 The 5<sup>th</sup> FCR (fission of Magma nucleus in to Helium nucleuses)

This is the reaction could take place at the final phase of a solar system and on all accounts, a dying star (Red Giant) ultimately starts contraction at this phase. Nuclear fusion is ended when mass of Sun is no more adequate to have a big Gravity to create the required pressure level upon the hard shell. At this stage, a star doesn't emit much energy out. Instead it starts a **centripetal spherical vortex** of charged particles at the mid core by which magma nucleuses are split out in to helium nucleuses due to low pressure. Pressure is lowered down towards absolute zero at the mid by the mighty vortex to create **Dark Matter** by absorption of energy as a flux in to it.

$$\mathbf{M} - \Delta\mathbf{E} - \mathbf{\S}e \Rightarrow \mathbf{\pounds}He^{+2} \Rightarrow \mathbf{D}$$

Were;  $\mathbf{\S}$  &  $\mathbf{\pounds}$  - constants,  $\mathbf{e}$ -electron,  $\Delta\mathbf{E}$ -energy,  $\mathbf{He}^{+2}$  –helium ions,  $\mathbf{D}$ -neutrons and  $\mathbf{M}$ -magma

*This is the only occurrence in the space where so mighty force of **Newton's Gravity**, is overwhelmed and swallowed by **Magnetism**. It contracts a **Solar System** in to almost **Nothing**.*

#### 4.37 The 1<sup>st</sup> FCR (formation of neutron mass -Dark Matter by energy)

According to the model of 'Scientific Deduction', the 1<sup>st</sup> FCR is the most primitive initial reaction in the space which could be expected as the **First Step of Creation of the Universe**.

It explains the story of how a volume of the **static space medium** is contracted in to a **flux of energy** when it starts moving.(pl refer 3.2 of 'Space Dynamics /Volume-1'). And then, the flux is further contracted in to **Dark Matter** when rotary type dynamics is introduced by the phenomenon of **Spherical Vortex**.

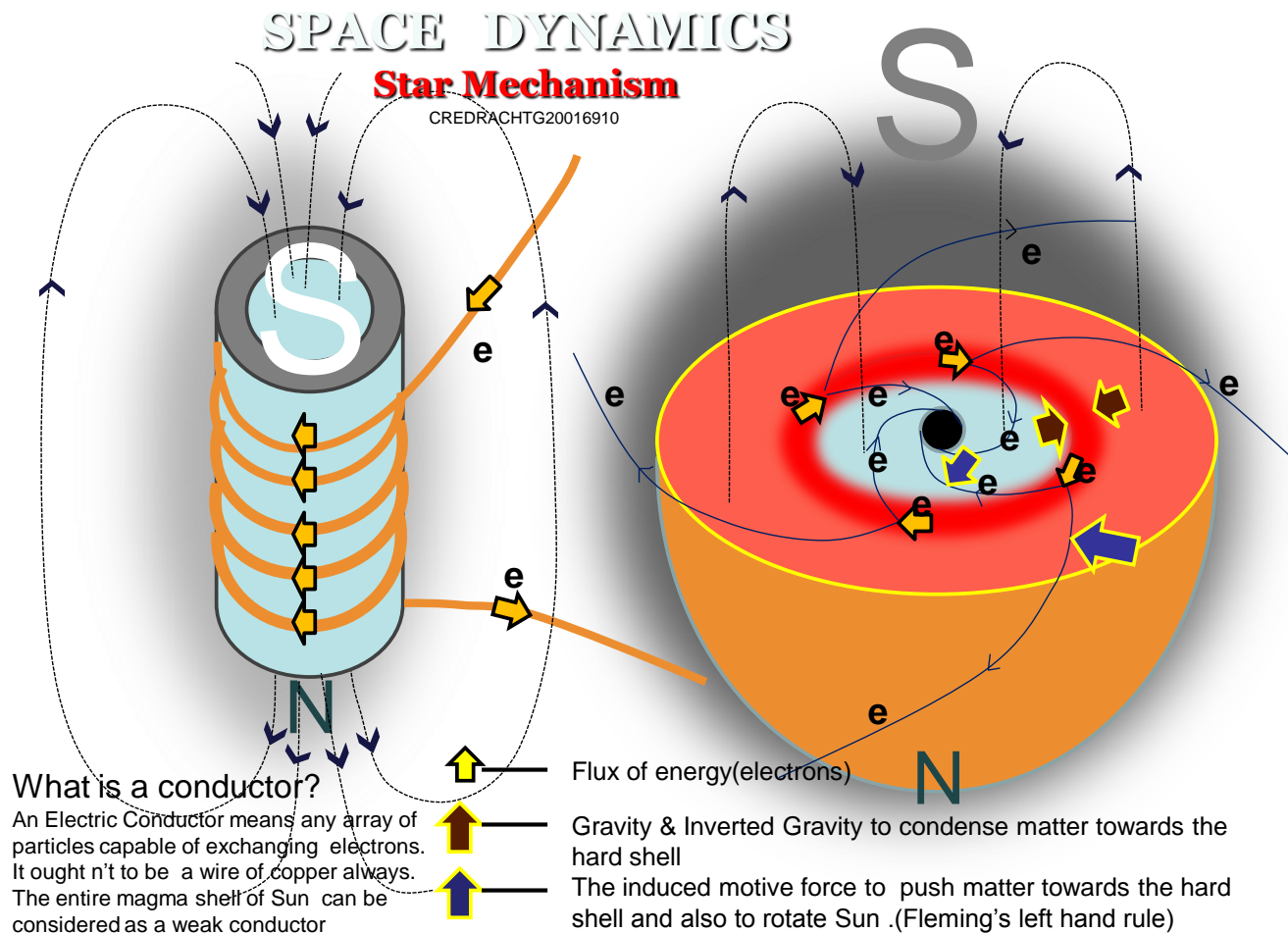
$$\Psi\mathbf{e} + \Delta\mathbf{k} = \mathbf{n}$$



Where; -  $\Psi$ -a constant,  $e$ -electron,  $\Delta k$ -kinetic energy,  $n$ -neutron mass (Dark Matter)

**Where there is Dark Matter in the space, a cloud of hydrogen could be born by expanding.**

**05. Inner Star Mechanism**



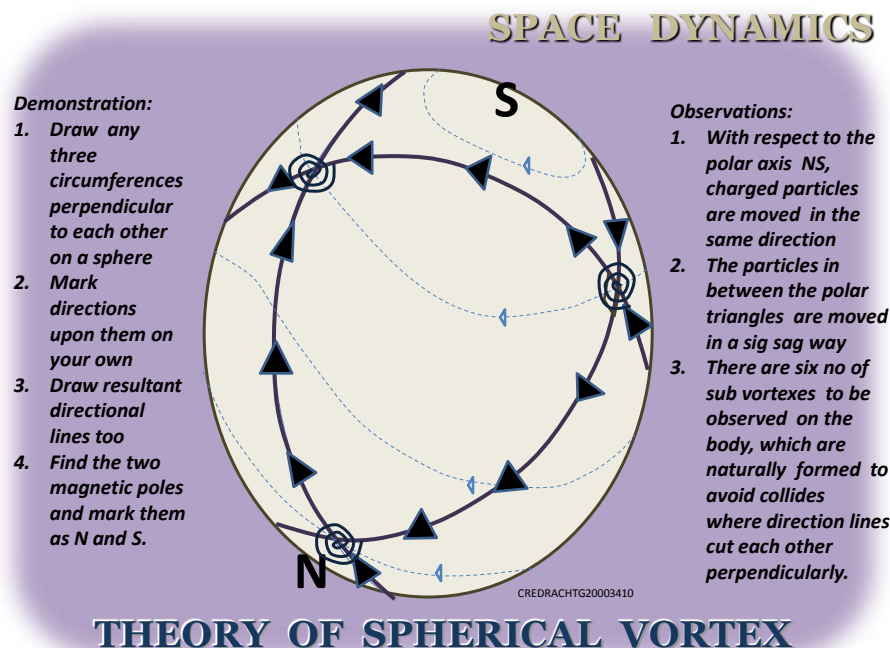
**FIGURE-3**

**5.1 How is Sun Polarized?**

**'Theory of Spherical Vortex'** of charged particles only can explain how a Star or any Productive Planet could be polarized. (pl refer **'Earth Mechanism'/Space Dynamics- V3**). It can be simply compared to the incident how a steel shell is magnetized when a current is flown in a coil around the shell. The star is polarized similarly when a mighty flux of electrons is flown through the hard shell as shown in

*A science is not improved as far as theories remain unchallenged*

the figure-3. The massive production of energy (mainly electrons) at the hard shell should have broken the Sun in to pieces unless the wonderful inner organization “**Spherical Vortex**” had been formed. This marvelous organization prevents collisions between particles in transportation of energy out up to the radiating layer.



**FIGURE-4** (abstraction from ‘Earth Mechanism’ SD-V3)

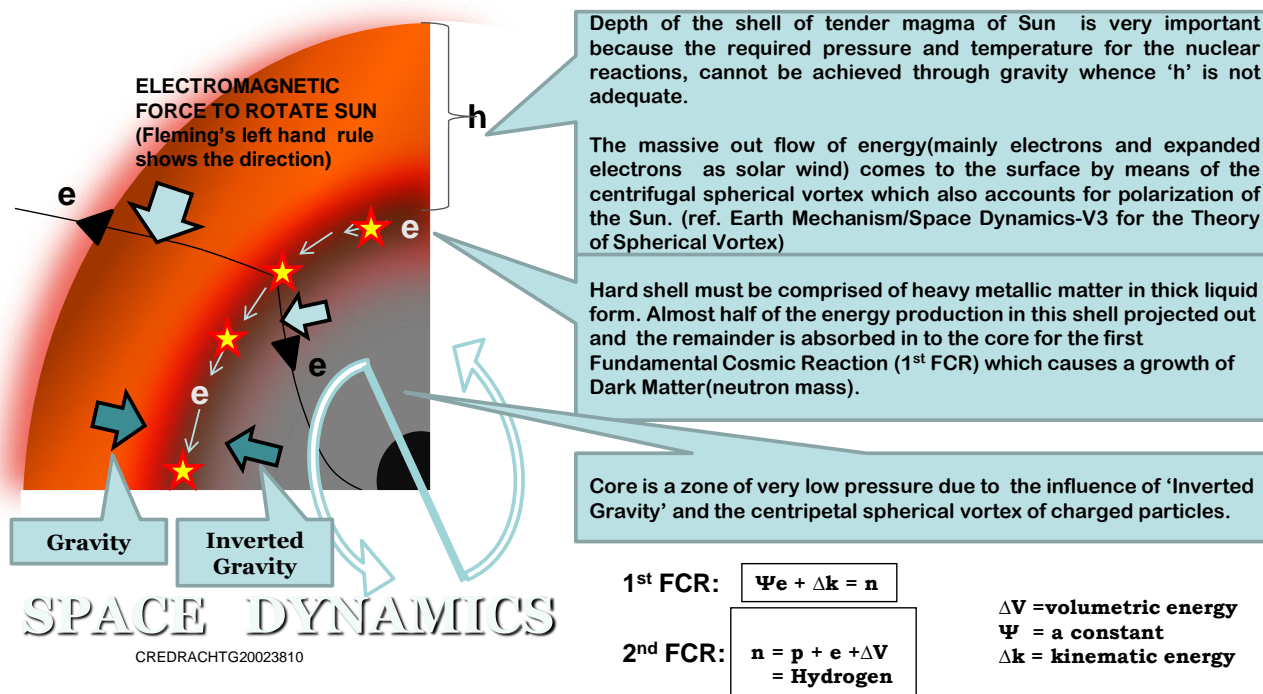
## 06. DARK MATTER IN THE MID?

### 6.1 Deduction upon known theories

As shown in the figure-5, matter is condensed towards the hard shell due to the influence of the phenomena **Gravity** and **Inverted Gravity** as well. Generally pressure is built up where matter is highly condensed by gravity and also denser materials should be deeper sunken. Temperature must be of maximum at the hard shell because nuclear reactions take place there. Therefore the hard shell must be made of metallic materials of the highest density in melted magma form.

Energy emission due to nuclear energy generation at the hard shell could not be limited only to outwards, but almost half of the product must be projected inwards to the mid core. Then what should happen to the massive flux of energy inflow towards the mid core?

Core is deduced as a **very low pressure** zone due to the phenomena of **Inverted Gravity**. Besides that, the **magnetic motive force** on metallic matter is also towards the hard shell as explained as by Fleming's left hand rule. Direction of the inner magnetic field is directly opposite to that of the outer magnetic field from the hard shell. That is because the hard shell is electrically magnetized by activation of the Spherical Vortex of energy particles.(pl ref *Earth Mechanism/Space Dynamics –V3* for the theory of spherical vortex) The entire body of Sun is therefore polarized due to the activation of the so called spherical vortex.



Strength of solar magnetic field could be changed at every reversal of the **Fundamental Cosmic Reaction (FCR)** at the core. The core should be a bit expanded when dark matter turns to produce hydrogen. Hydrogen is the fuel for the fusion and the mass output helium could come to the surface as highly potential dynamic vortexes. These vortexes of helium irons absorb energy(electrons) from surrounding

and look as black patches on surface of the Sun. During this period of the **2<sup>nd</sup> FCR**, the equatorial fluid dynamics must be more activated. Only the Dark Matter and Energy Matter have the control on magnetism and therefore the magnetic poles of Sun are not shifted or reversed at this periodical change.

FIGURE-5

Then what is the electric conductor to complete the Electric Motor to rotate the body of Sun? **An electric conductor can be defined as any array of particles capable of exchanging electrons.** Therefore the entire body of the Sun can be considered as a weak conductor. The mid core zone of Sun beyond the hard shell which is big enough to swallow almost 27 Jupiters, becomes very low in pressure due to activation of the two phenomena such as;

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1. Inverted Gravity
2. Electromagnetic force induced by the spherical vortex on weak conducting matter

Under such a very low pressure condition with availability of a massive energy inflow, no other reaction but only the 'First Fundamental Cosmic Reaction (1<sup>st</sup> FCR) is possible to take place in the mid core and **Dark Matter** must be the due production. But this type of a production in the space could not sustain forever because conditions required for the reaction are naturally lasting and then the process should be reversed. The reversed process is the expansion of Dark matter in to Hydrogen (2<sup>nd</sup> FCR) and it provides fuel for the nuclear fusion in the hard shell.

*Only the core process of Sun is changed at a reversal and magnetic polarity is not changed and therefore a shift of magnetic poles of Sun could never be expected. But magnitude of magnetic field strength of Sun only can be varied at reversals of the core process.*

### 5.1 The Core Filling Sun

#### CORE FILLING SUN

##### 1. Growth of Dark Matter

The energy produced upon the hard metallic shell by nuclear reactions is projected not only to out but also towards the inner core as well. That portion of energy is contracted in to Dark Matter through a centripetal spherical vortex (1<sup>st</sup> FCR) ;

$$\Psi e + \Delta k = n$$

e = electron  
 n = neutron  
 Ψ = a constant  
 Δk = kinematic energy

##### 2. The Aging Sun

The portion of solar energy projected out as light, heat, electrons and solar wind is not returning to Sun and it is loosing in mass gradually.

##### 3. What on Earth?

Any change in solar magnetic field is not effective at all on Earth but any considerable decrement in energy flux (solar wind) could certainly effect upon the geo spherical vortex and the geomagnetic field as well. .

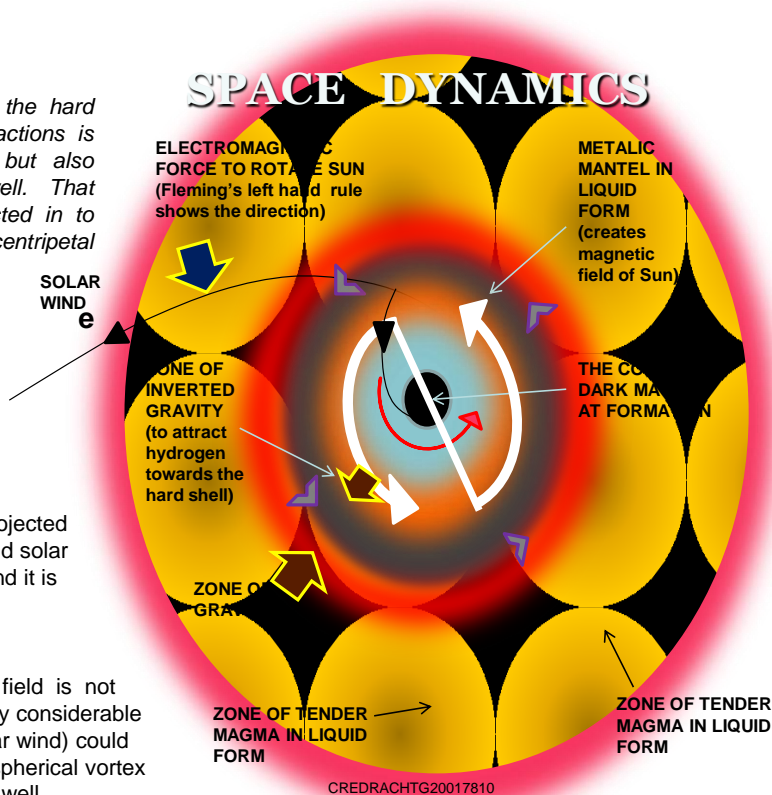


FIGURE-6

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*Cyril H Thalpe Gamage*

*Page 12*

During the period of core filling Sun, behavioral normal functioning of the Star could be expected and this is phase has been named as solar minima.

Dark Matter cannot be continued growing in the mid of Sun forever because pressure goes up when energy flux projected from nuclear reactions at the hard shell is not adequate to activate the centripetal spherical vortex any further. (it happens when hydrogen stock is depleting)

Then the process is naturally reversed and the Globe of Dark Matter in the mid core starts expanding in to hydrogen, producing an adequate stock of fuel for another period.

### 6.2 The Core Expanding Sun

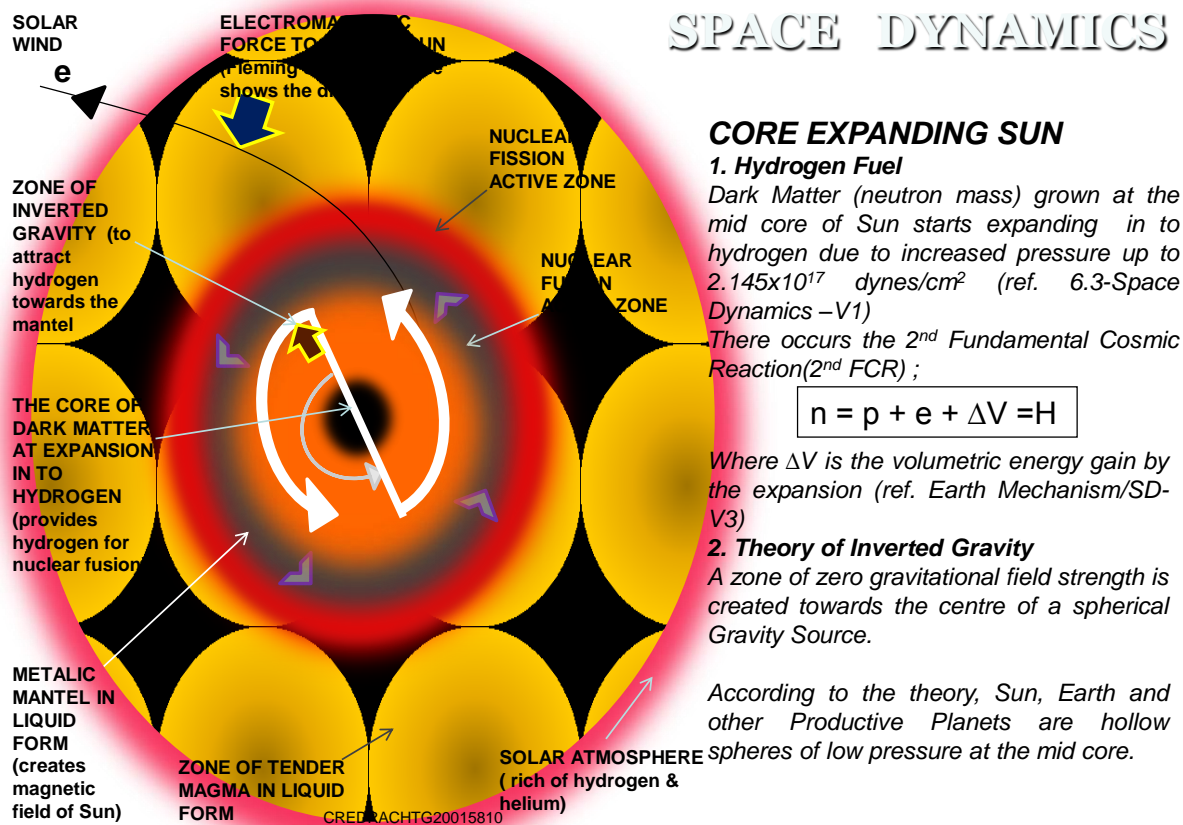


FIGURE-7

No reversals of magnetic poles are possible in Sun, but only a change of magnetic field strength could be possible due to increment of energy produced at the hard shell. The black patches which could emerge to be observed at a change can be mass of helium ions escaped before being developed in to magma.  $\text{He}^{+2}$  absorb electrons and therefore look darker on the surface as patches but they are vortexes of high potentiality.

## 07. RADIATING MECHANISM OF SUN

### 7.1 Emissions from Sun

Mechanism of Sun is described by Scientists by means of its Emissions. Let us identify what are emissions by Sun, through which it could dominate, by holding the controlling authority throughout the Solar System.

#### 1. Gravitational Wave Emission

Gravity is the main emission of Sun, by which it dominates the entire solar system. Isn't that laughable to hear that '*Gravity is an emission*'? But why not a **Wave**, when a **Ray** is considered as an emission?

*Gravity is a wave which is being continuously emitted by any source of gravity to create a gravitational field in the surrounding. When the wave strikes upon any secondary body of atomic mass, an attraction is induced to move towards the gravity source. When the source is spinning, the influence direction too is deviated and the phenomenon is explained by the 'Theory of Gravity Deviation' (pl refer Space Dynamics Volume-2/2009)*

*The phenomenon explains how all the planets are held by Sun orbiting round in the same direction of Sun's rotation and how all of them are settled onto the same plane called equatorial plane.*

Then somebody may ask why not then solar magnetism is considered as an emission of Sun. No, **magnetism is neither wave nor ray** and also it projects no substances out and therefore it cannot be put in to the category of emissions. Solar magnetism accounts only for rotation of Sun and the rest of the **solar system is entirely free from solar magnetism**. Mechanism behind the hand rules of Fleming has yet to be explained (pl await '*Depth in the 4<sup>th</sup> Dimension*' /Space Dynamics-V4)

#### 2. Solar Wind

**Electricity** is emitted by Sun as a flux of charged particles known as '**Solar Wind**'. It is mainly comprised of electrons of different speeds and sizes. Energy production at the hard shell of Sun is brought out by the mighty dynamic organization called

‘spherical vortex’. Electrons, Light, Heat and other energy particles are heavily worn out by the difficult journey to the surface through the centrifugal spherical vortex. Energy particles are recognized only by kinetic energy and they get lost their identities when speed is dropped (pl refer ‘Space Dynamics-V1’/2009 for the three phases and behavior of the ‘Space Matter’)

Light particles for an instant, would not be identified as light when speed is lost and a community of similar lost energy particles is known as ‘Solar wind’ and it doesn’t respect for Gravity. Newton’s Gravity has no hold upon space matter other than atomic mass (pl refer Space Dynamics-V2).

Deadly stillness is the ultimate destination of solar wind after being expanded in to the medium matter unless it is absorbed and developed in to matter by **Productive Planets**. (pl refer ‘Earth Mechanism’/Space Dynamics-V3/2010)

3. The Radiating Layer of Sun

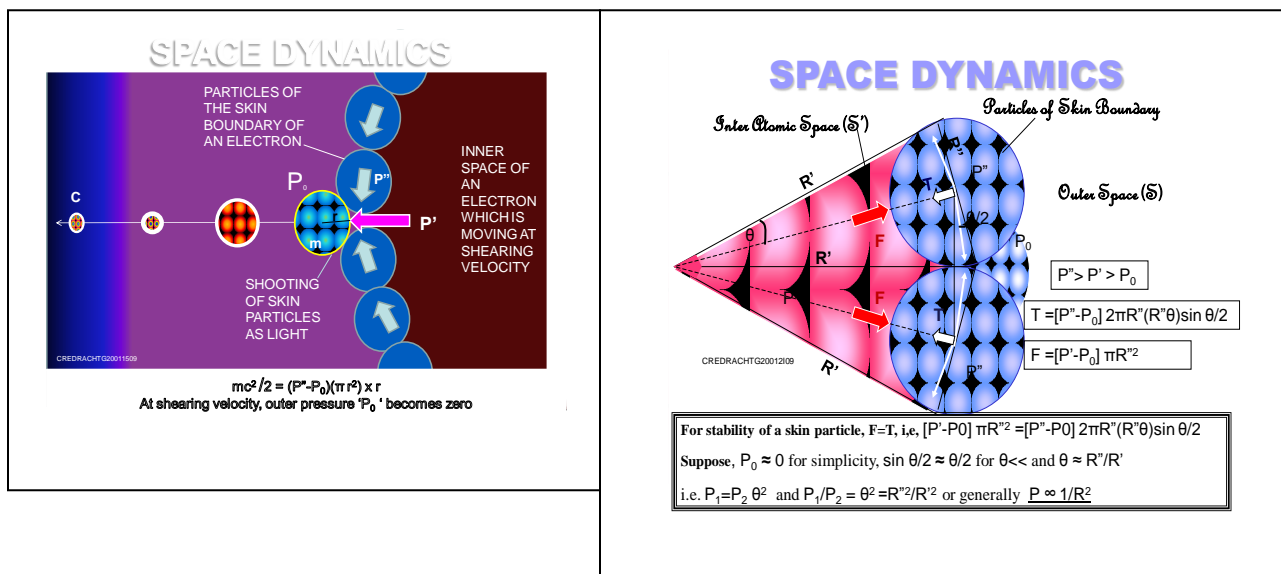


FIGURE-8( abstraction from Space Dynamics –V1/2009)

Light rays are beams like projections of particles and they are shot out by the boundary membrane of electrons when they are sheared by motion through a resistive medium.

Arc welding is the best example and electrons are sheared when they break through a weak conductive gassy or fluidic medium. At the shearing velocity, pressure at the skin is dropped to zero and particles of the ‘Skin Boundary’ membrane, are shot

out at the velocity of light as shown in figure-8.(pl refer 'Theory of Skin Boundary of Matter'/ Space Dynamics –V1)

A beam like array of particles in the projection is identified by us as a light ray. The Spherical Vortex of Sun accounts for the massive orderly flow of electrons over the surface of Sun which builds up the Radiating Layer. Without activation of a spherical vortex in a Star, a radiating layer could not be formed and it should look like a red dwarf.

Heat can be simply radiated from any heated body and no new theories are required to explain it. Other energy rays are also directly projected out from the body of Sun.

### 7.1 Electromagnetic Fluid Dynamics on the Surface of Sun

According to the theory of Spherical Vortex', **six sub vortexes** must appear on the surface of Sun.(pl refer 'Earth Mechanism'/Space Dynamics-V3'). Those sub vortexes are capable of bringing energy out to the surface much intensively and therefore they must look brighter than the rest of the surface. Not like in Planets but the sub vortexes must be shifted more towards the equator due to fluid dynamics, because materials in Sun are in melted liquid form.

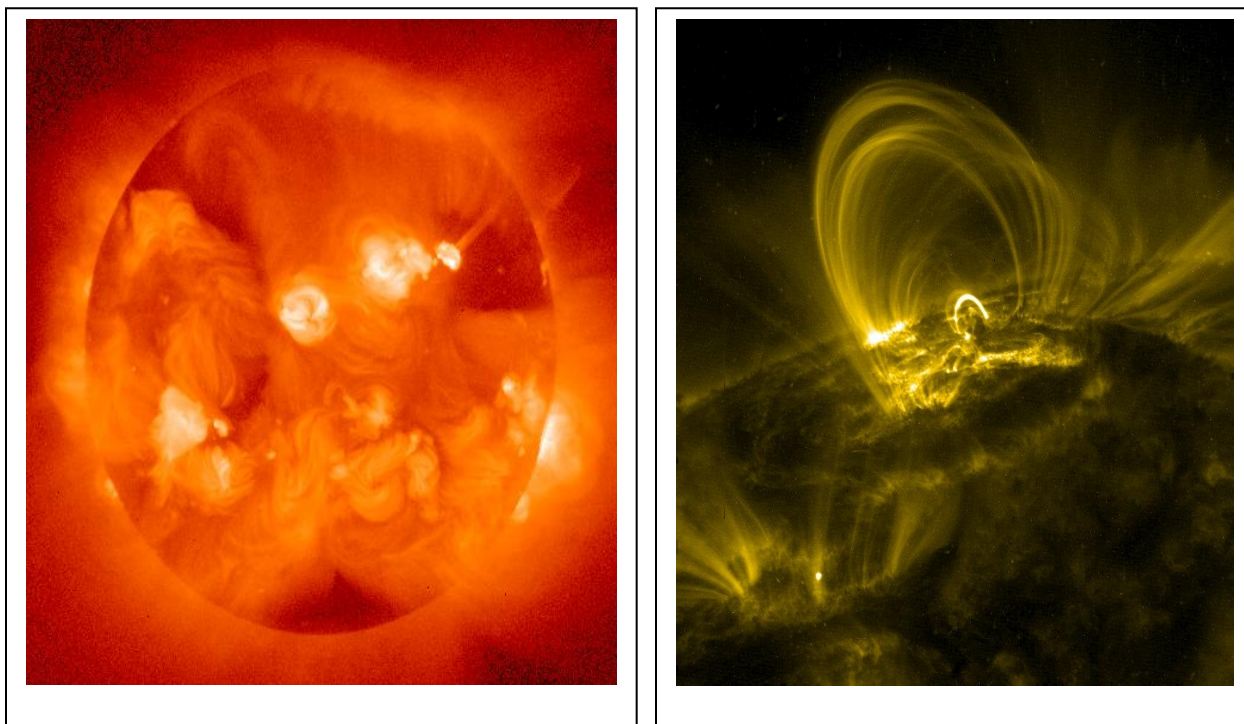


FIGURE-9(abstracted by the grace of Wikimedia Commons)



Dark patches could be visible on the surface under solar maxima must be fountains of positively charged helium ionic mass mixed with tender magma as the byproduct from the energy generation at the hard shell, escaped before being completely improved in to magma. They look dark because they absorb energy from the surrounding and they produce helium gas too, for the solar atmosphere.

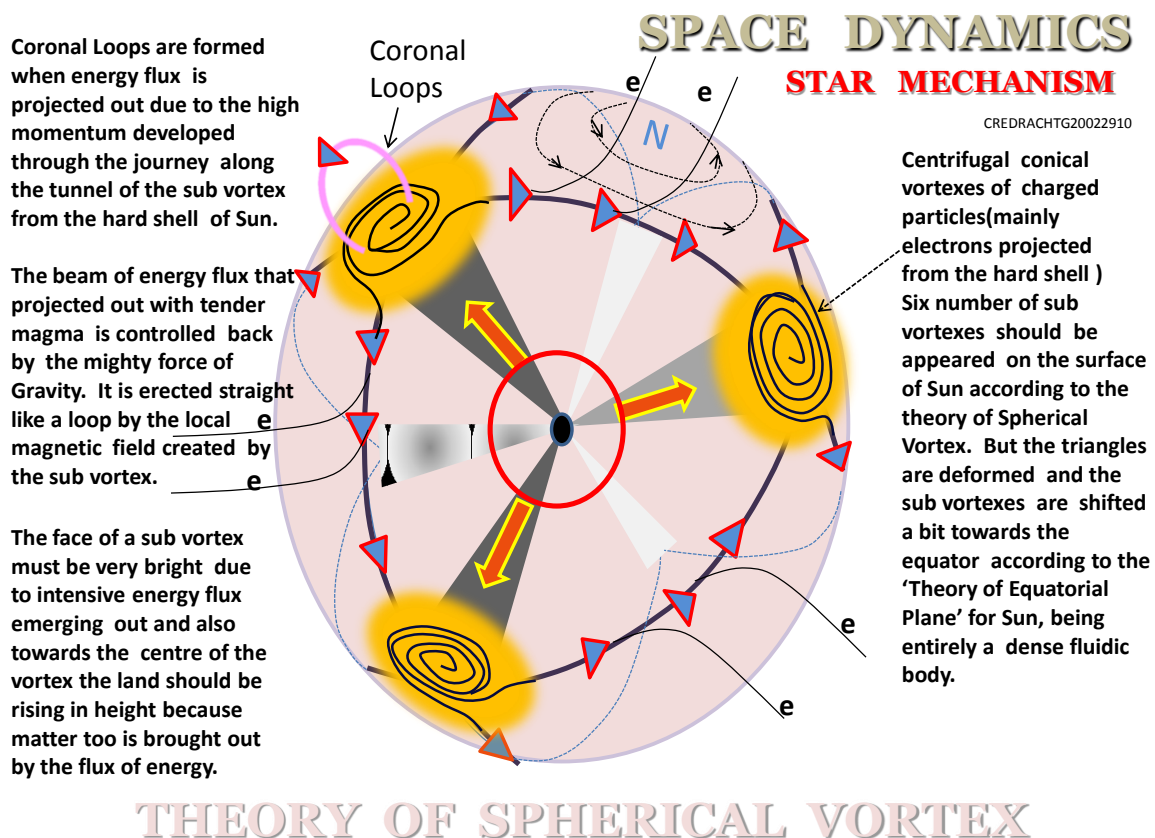


FIGURE-10

Energy flux with matter is violently projected out from the central region of a sub vortex creating **Coronal Loops**, under the period of solar maxima (the phase when the dark matter stock at the mid core is expanded in to hydrogen, the fuel for nuclear fusion). Looping out indicates the over exceeding speed of matter in the sub vortexes. Those are conical centripetal vortexes of high energy emission. The gravity based motion of the dense matter in its fluidic and vaporized form is projected out to the sky exhibiting obedience to **Local Magnetism** and Newton's laws in **Applied Dynamics**.

## 7.2 A Solar Magnetic Reversal?

Solar magnetism is a bit complicated of a subject because the main magnetic field of the body is overwhelmed moreover by the local magnetism created on the surface due to the sub vortexes( the energy fountains).

Sometimes two sub vortexes may come closer due to fluid dynamical potentiality on the equatorial regions but they could never be combined together due to the repellent force in between.

A solar magnetic reversal or any significant shift of magnetic poles could not take place until the end of the solar system. Also people should not fear of a **Solar Maxima** or due dark patches which crop up at that maximum production phases of Sun which comes in a time scale about 11-13 years. Solar magnetism can do nothing on Earth because, as we know, any magnetic field is lasting within a very short distance from the source.

But each transition for a maxima or minima which can change the **magnitude of energy flux to Earth** should be important and crucial when everything on earth, is up for a **Geomagnetic Reversal**. With a sudden cut off or any instant decrement of the energy flux (that receive from solar wind) can reverse the magnetism on earth. Therefore it is not the transition to a solar maxima but **solar minima** must be the instance of which people on Earth should be a bit afraid of.

## 7.3 Early Warning

In **Productive Planets** like Earth, **Reversal** of the **Mid Core Process** leads for a definite **Magnetic Reversal** which could bring lots of **disastrous** climatic & weather **changes**.

Not like in Sun but the **Six Sub Vortexes** of the electromagnetic spherical vortex of Earth are not shifting from time to time. One of them has to be identified as the **Bermuda Triangle** and please refer 'Earth Mechanism/Space Dynamics-V3' to identify the other five locations on the Globe.

It is perhaps of importance to read Columbus's diary to understand how local magnetism at a sub vortex dominates overwhelming the conventional geomagnetism of the globe. Then just imagine, how powerful could be the Sun's sub vortexes.

*"Thursday 13 September 1492*

*On this day at the beginning of night the compasses northwested and in the morning they northeasted somewhat.*

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*Page 18*

Monday September 17,

The pilots took the north, marking it [North Star], and found that the compasses northwestered a full point [11 and one quarter degrees]; and the sailors were fearful and depressed and did not say why. The Admiral was aware of this and he ordered that the north again be marked when dawn came, and they found that the compasses were correct. The cause was that the North Star appears to move and not the compasses.”

Columbus’s wondering records of Bermuda triangle was not isolated because of bundles of records of mysteries happened ever since and today’s scientists have to pay attention on data collection to plot other five vortexes also. Weather changes in face of the forthcoming geomagnetic reversal must be more severe at the regions of the six sub vortexes.

**7.3 Sub Vortexes of Sun**

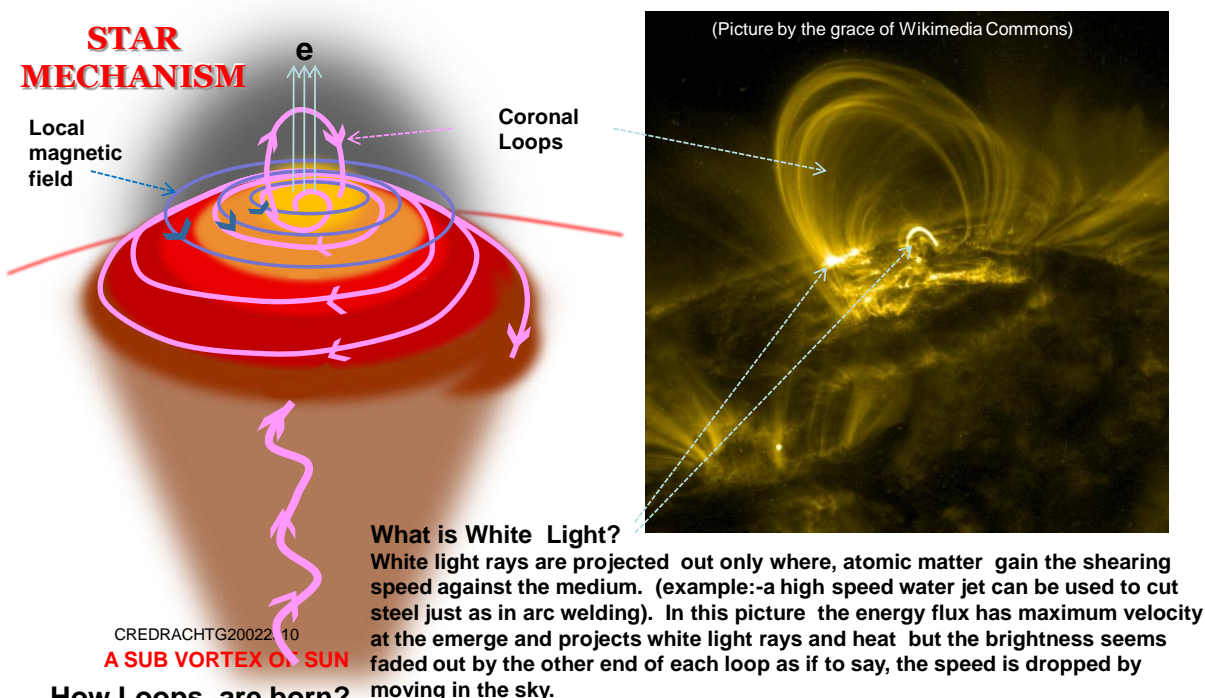


FIGURE-11

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*Page 19*

There must be six sub vortexes at a time to be seen on the surface of Sun by which the massive production of energy is transported up from the hard shell. Sometimes one or two small vortexes close to the main vortex could be seen and it is similar to how a lightning stroke is split in to some adjacent paths at about the destination.

Magnetic field pattern at the vortex is similar to the pattern around a current carrying conductor as shown in the figure-11. (Magnetic field lines are not made of substances but just a concept and conventionally, the direction is defined as the moving path if a north pole is placed in the field.) It is a major mistake by scientists if the Coronal Loops of Sun are identified as the magnetic field pattern, even though it looks alike. However fundamentals of magnetism are not yet known to the world and as a result nobody can explain the mechanism behind the Fleming's hand rules. (pl await "Mechanism of Magnetism"/Space Dynamics-V4)

## 08. CYCLIC BEHAVIOR OF THE SOLAR SYSTEM

The cyclic processes to be observed everywhere in the nature, has to be accepted as a common phenomena and if sequence of any dynamic system is repeated for many times then it has to be identified as a **Rotary System**.

Inner process of Earth has been identified as a rotary system by knowledge of geomagnetic reversals as per the records found in volcanic rocks.

Though the magnetic poles are not changed Sun too undergoes a periodic reversal by the core process.

Similar type of a behavior could be deduced upon the Solar System too, being based on Astronomers findings and so far known fundamental realities.

***Imaginations and Evaluation must be the Easiest way towards the Reality. Otherwise it might take some centuries to explain the distant realities in the Universe because Scientists seem to have closed the Cognitive Faculties and busily engaged in Observatory Departments.***

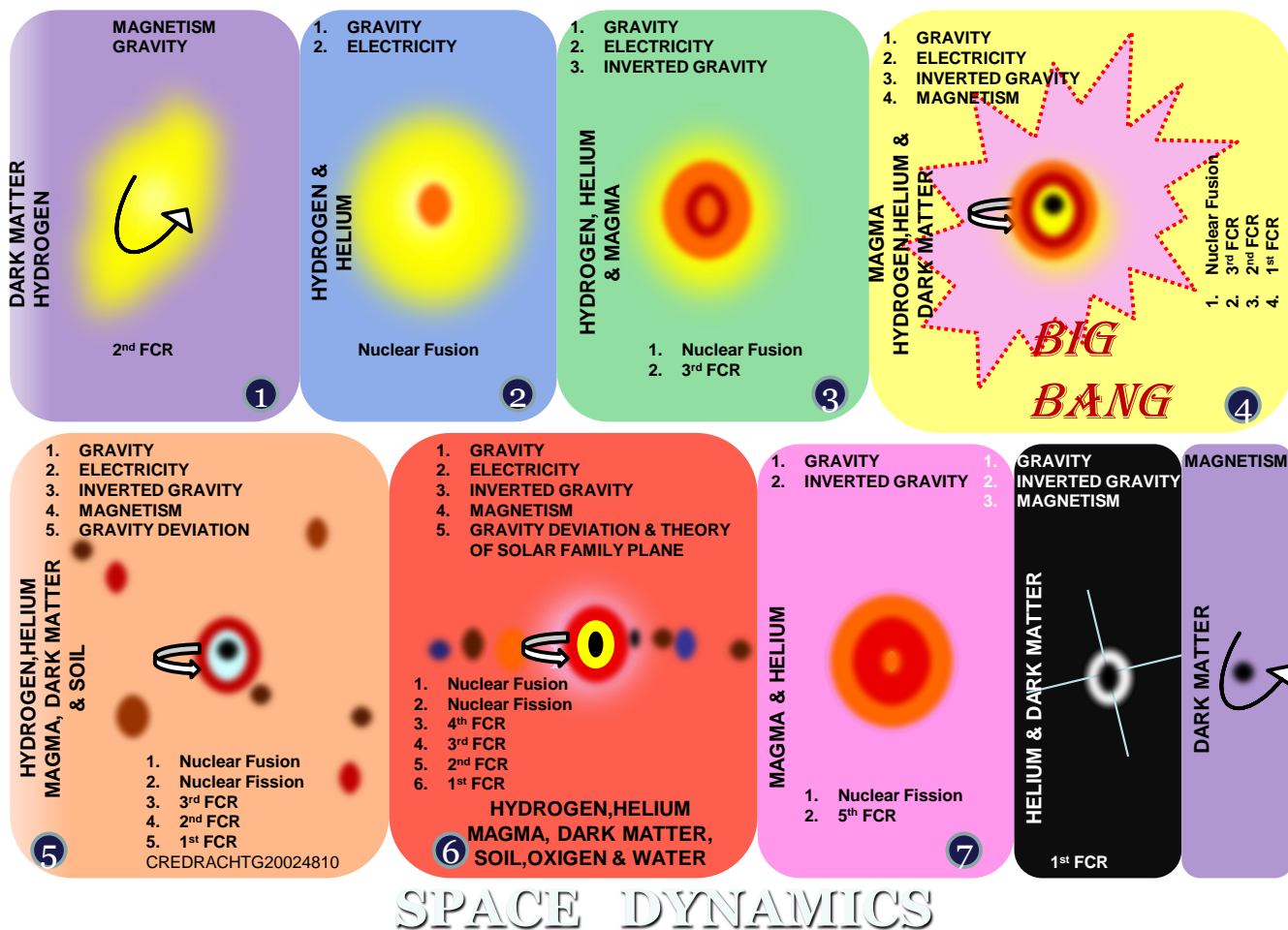
Nature won't let man to explore the world so leisurely by wondering about with observations. An uncountable number of Earth like planets are there most probably, with intelligent life within our own Galaxy, but why not even a single alien nation seems to have been developed enough to visit us? Because civilizations are risen and fallen without giving enough time to be developed **beyond limits of the Nature**.

Neither a population nor a civilization nor development could sustain at an ever rising phase. It is our linear thinking always to expect a clear **Origin** and a definite **End** for everything but it is not the reality in the **Nature**. Existence between many rises and many falls is the natural behavior to be observed in the universe.

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“Time and Tide waits for no man” and therefore he has to master all the knowledge and competencies within the short time left, to save at least a few of the mankind from the forthcoming **Falling**. (pl refer “Where We Are?/Space Dynamics-V3)

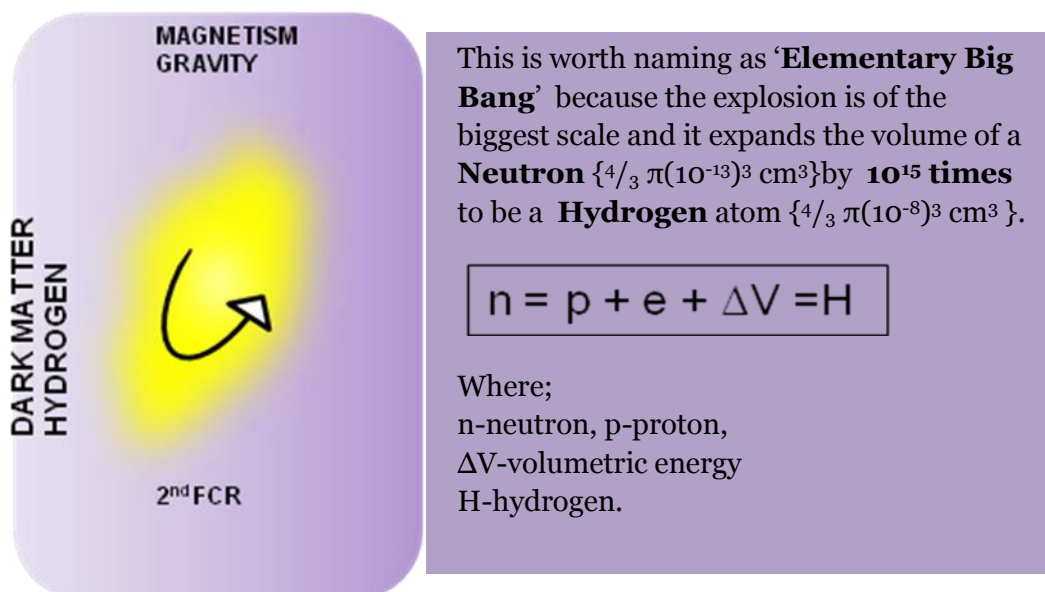


SPACE DYNAMICS

FIGURE-12

8.1 The 1<sup>st</sup> Phase of the Origination (Hydrogen)

Expansion of Dark Matter in to Hydrogen is the 1<sup>st</sup> phase of origination but the question “How Dark Matter is Originated?” cannot be responded till we go to the 8<sup>th</sup> and 9<sup>th</sup> phases of the sequence, as shown in the figure-12.



**Gravity** is there where atomic matter is born and **Magnetism** is also there as far as Dark Matter is remaining at the mid.

A rotation is indicated there in the picture because dark matter cannot exist without rotating in a spherical vortex or moving at a speed of velocity of light.

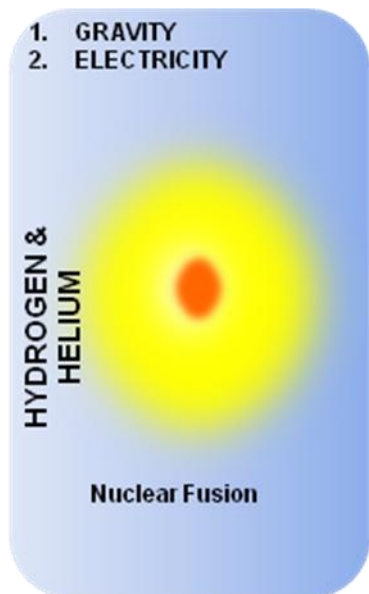
When dark matter is finished, the rotation is slowed down to a stop and the hydrogen cloud is centralized only by Gravity.

## 8.2 The 2<sup>nd</sup> Phase of the Origination (Helium)

It is **Gravity** but nothing else to gather **Atomic Mass** by a wave through the space medium and attraction is towards the **Gravity Source** where matter is highly condensed.

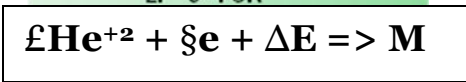
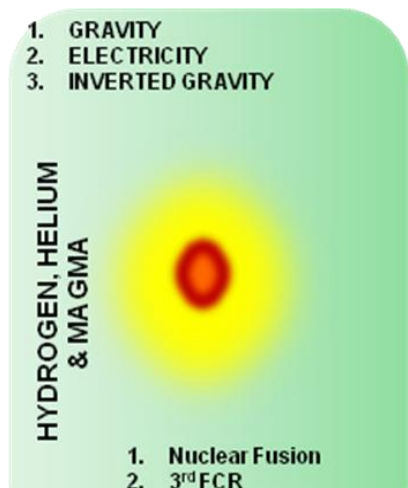
Once matter is centralized pressure goes up to a maxima and nuclear fusion takes place at the mid. **Helium** is denser than **Hydrogen** and therefore it is gathered to the center.

**"Denser Mater is deeper sunken"** and it is 'gravitational logics' which concludes what material should be available at different depths. (pl refer Space Dynamics/Volume-2/2009 for the gravitational wave)



- Pressure reaches to its maxima, at the central region due to Gravity
- ‘Nuclear Fusion’, one of the fundamental cosmic reactions, takes place at the mid
- Energy comes out and Helium ions are gathered to the centre
- Electricity is born whence electrons come out of the atomic structure
- No rotation could be expected until Electromagnetism is born

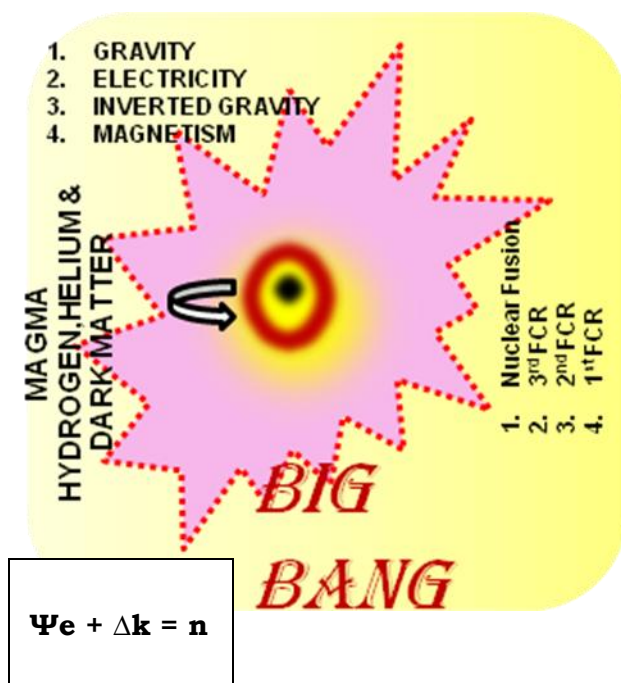
**8.1 The 3<sup>rd</sup> Phase of the Origination (Magma)**



- A low pressure mid core is created by the phenomenon Inverted Gravity
- Then Nuclear fusion takes place at the harder shell but not at the mid.
- A percentage of the energy production upon the hard shell is directed towards the center too and ‘Magma is born with absorption of electrons by Helium ions.
- Magma makes the hard shell more harder.

It is nothing else but the phenomenon of ‘Inverted Gravity’ to explain how the mid core is gradually becomes low pressure making an environment for production of Tender Magma. (Tender magma must be of lower density than the volcanic magma that we can find on Earth because is not highly concentrated with metallic components at the origin. But it must be a weak condenser with enough metallic ions and it can be a mediator as a flux base for transporting the energy production to out of the Sun.

#### 8.4 The 4<sup>th</sup> Phase of the Origination (Big Bang)



- When magma shell is expanded enough transportation of energy up to the surface could be heavily disturbed.
- At that phase, the energy flux finds a way to go out in a more suitable manner and that mighty dynamic organization is named as ‘**Spherical Vortex**’ of charged particles.
- The entire mass starts rotating at a great speed by activation of the vortex and the body is scattered in to pieces with sudden release of entrapped energy and the centrifugal force.

**Magnetism** is created when electronic mass starts flowing through the hard shell of magma in direction of the vortex. At the same time dark matter starts growing at the mid core under low pressure and high availability of energy under activation of the spherical vortex. This reaction is known as the **1<sup>st</sup> Fundamental Cosmic Reaction** and the same reaction is going on in the mid core of the **Productive Planets** like Earth.

#### 8.5 The 5<sup>th</sup> Phase of the Origination (Solar System)

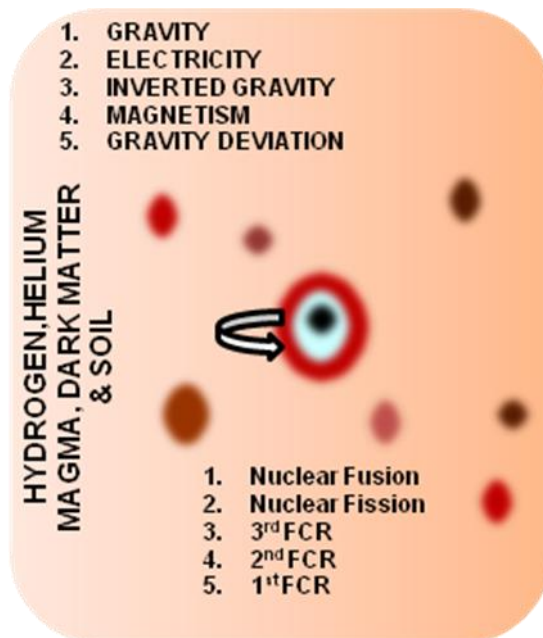
Gravity comes prior again in gathering of scattered magma from the Big Bang, in to planets giving hydrostatic spherical shapes.

Projected out masses should have landed back onto Sun according to **Newton’s ‘Applied Dynamics’** unless Sun had already started a spinning by then. A spinning Source of Gravity applies a lateral force upon any secondary object to rotate it around in the same direction of self rotation. It is the linkage theory which was missing for centuries to explain the macroscopic level of dynamics in the space and it is named as the ‘**Theory of Gravity Deviation**’ (pl refer ‘Space Dynamics –V2’/2009)

Planets were born and started orbiting round the Sun and they were settled down onto a single plane named as “**Solar Family Plane**” (equatorial plane) by the phenomenon named as the “Theory of Equatorial Plane”. In consideration of our solar system, some planets are still being settled to the plane. (pl refer SD-V2)

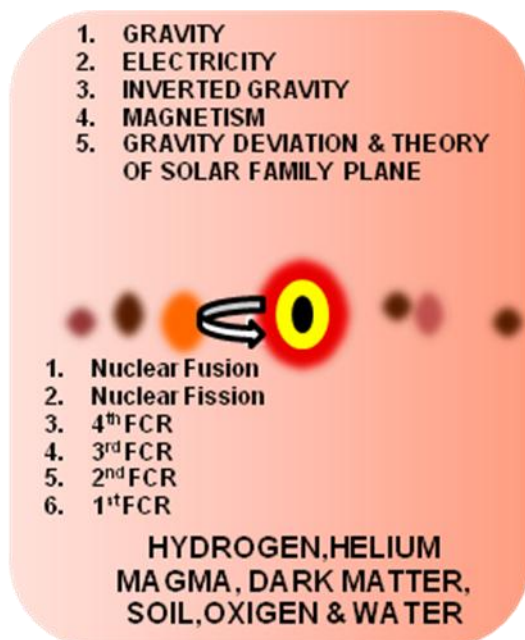
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- Majority of the scattered masses are held back by solar gravity
- Solidification of fluidic magma by radiating heat out
- Origination of two spherical vortices in Sun such as; 1. Outer hard shell spherical vortex (centrifugal) and 2. Inner hard shell spherical vortex (centripetal)
- Spinning speed is lowered down with origination of the inner hard shell vortex of Sun because almost half of the energy production is absorbed to the mid core to produce dark matter.

8.6 The 6<sup>th</sup> Phase of the Existence (Solar System)



- Gaining hydrostatic shapes by planets (self gravity)
- Orbiting of planets round Sun (Theory of Gravity Deviation)
- Settling down of planets onto the equatorial plane (Theory of Solar Family Plane)
- Delivery of Moons by Productive Planets (pl refer 'Origin of Moon By the Earth Bang'/SD-V3)
- Formation of Living Ecosystem and Life

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Planets who are become Productive being polarized, start spinning and absorb energy flux from solar wind for production of atomic matter in the mid core by activation of the Spherical Vortex (pl refer 'Earth Mechanism'/SD-V3/2010)

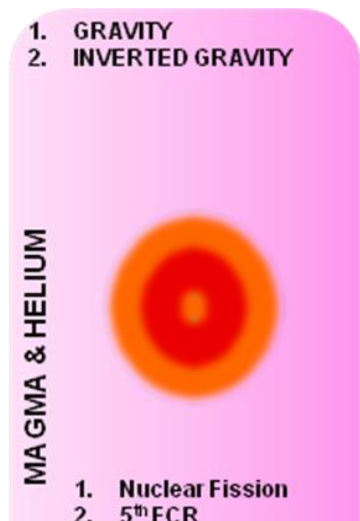
Moons are born only by the Productive Planets at the beginning of their spinning. Also at the events of big magnetic reversals, moons can be born due to sudden expansion of the core materials.

Then only the phase of **Wisdom** in the universe takes place by following the sequences such as;

- i. Nuclear fission in magma shell in planets to create metals, essential elements and chemical processes to make compounds, hydrocarbons etc. through a long gradual process.
- ii. Weathering and decaying of Magma being exposed at the surface to crate soil
- iii. Activation of natural Water Cycle, Nitrogen Cycle, Carbon Cycle etc.. and activation of Monsoons
- iv. **Living Ecosystem** with plant and animal **Life**

### 8.7 The 7<sup>th</sup> Phase (falling of a Solar System)

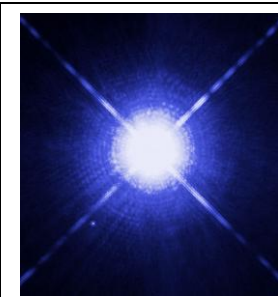
It is nothing else but depletion of energy resource in Sun is the factor which brings the end of a solar system. Again Gravitational Logics comes prior and when Sun is decreased in weight, the gravitational attraction on matter to build up the required level of pressure upon the hard shell, is not adequate and as a result, the Nuclear Fusion can be held up.



$$M - \Delta E - \xi e \Rightarrow \text{He}^{+2} \Rightarrow D$$

- Once nuclear fusion is stopped, the spherical vortex vanishes and spinning also stopped.
- Sun is swelling and becomes a red giant.
- Once spinning is over, the force of gravity deviation applied upon planets to orbit, is also vanished and planets come closer to the Sun.
- All the planets are swallowed by Sun and everything is melted in to magma.
- Inverted Gravity creates again a supporting low pressure environment in the mid core to start a centripetal spherical vortex.

### 8.8 White Dwarf (Contraction of a Solar System)



$$\Psi e + \Delta k = n$$

- Atomic Matter is sheared and contracted in to Dark Matter when it is moving at velocity of light (pl refer Space Dynamics-V3)
- Gravity is losing and Magnetism dominates
- A globe of Dark Matter is growing at the mid

What kind of a light is this? It is very sharp and white. That is not the normal light which is projected by shearing electrons but a ray of more fine particles that is projected out when Atomic Matter is sheared.

What kind of a motion is there? A white dwarf is not moving anywhere and how could then Atomic Matter is sheared without a velocity? No, it is not the dying Sun

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but space medium is moving at the speed of light in to the mid core for the massive production of Dark Matter. At this final phase of the Sun only Helium must be available which is also being contracted in to the Dark Matter ultimately.



- When everything belongs to Sun is finished being contracted in to dark matter, other matters in the solar system such as; asteroids, comets, debris and dust too are absorbed by the mighty force of the Centripetal Spherical Vortex.
- The force is neither Gravitational nor Electric nor Magnetic but simply the Pressure Difference in the medium to push every thing towards the center.
- The medium is occupied all over the Galaxy and therefore, a vortex can perhaps be developed enough to swallow several adjacent Solar Systems in contraction.

Dark matter can be further contracted in to more dense material than neutrons and ultimately in to nothing along the axis of the 4<sup>th</sup> Dimension.(pl await “The Depth in the 4<sup>th</sup> Dimension”/Space Dynamics-V4)

Reversal of natural processes is another definite phenomenon in the universe and at the end of the contraction, Dark Matter starts expanding in to a Hydrogen cloud again as the first step of repeating the sequence for the next origination.

The far distance between Expansion and Contraction has not yet been defined up to the 21<sup>st</sup> century and the are far ext

It has to be understood that the whole universe cannot be contracted all in to a single black hole because the vortex cannot attract matter from another Galaxy. That is mainly because there is no medium continuation in between galaxies. But the space medium is uniformly spread in between solar systems belongs to a single Galaxy.

No waves could be transmitted in between Galaxies for there is no medium in between. But energy rays such as light can travel without any resistance through inter galactic space. Even matter can travel without any resistance but only in the highly contracted phase as neutrons.

Velocity of light which is experienced to us as the highest velocity in the universe is not the fastest but dark matter(neutron mass) can travel at much higher speeds in the space without getting its structure sheared.

Perhaps a Galaxy, which is being contracted in to neutron mass (dark matter) can disappear in one place and emerge in another place, billion light years far, in the space, if the final spherical vortex is converted in to a cylindrical vortex with a conical entrance at the contraction and a conical exist at the expansion.

However the reversal of natural processes as a reality, exhibits the **Cyclical Behavior of Dynamic Systems** in the universe.

## 9.0 CONCLUSION

9.1 Dynamics in the macroscopic level of worlds cannot be explained without **Gravitational Logics** based on;

- i. Newton's Theory of Gravity
- ii. Theory of Inverted Gravity
- iii. Theory of Gravity Deviation
- iv. Theory of Equatorial Plane

9.2 **Theory of Spherical Vortex** is the other most essential phenomenon and in absence of that, Dynamics in neither Macroscopic nor Microscopic level of worlds cannot be explained.

9.3 **The Three Phases of Matter** in the space have to be recognized as;

- i. **Space Medium Matter**
- ii. **Energy Matter**
- iii. **Atomic Matter**

Otherwise the world realities at extreme scales could never be explained. Solid phase, Liquid phase and Gassy phase are the three phases as we learnt in school days but that are the three phases only of the **Atomic Matter** in the space. (pl refer **Space Dynamics Volume-1** to see behavior and structures of the three phases of space matter)

9.4 **Gravity** is responded only by **Atomic Matter** and other two phases of matter such as **Medium Matter** and **Energy Matter** don't respect to Gravity at all. (pl refer **Space Dynamics -V2**)

9.5 But ultimately every Matter in the Universe is swallowed by Magnetism and it has to be understood as a vortex of the space medium. (pl await 'Mechanism of Magnetism'/Space Dynamics-V4)

9.6 **Cyclic Dynamics** of the Universe has to be accepted as a fundamental reality and there are many origins many ends and many reversals to be observed due to cyclic behavior of natural sequences.

## 10.0 DISCUSSION

### What is Time?

It can be observed that '**Time**' is given an unnecessarily too big value and it appears to be loaded with some life or governing force upon the Universe.

But time is immaterial and just a **conceptual measure** which has no value at all unless the things are being changed.

It can be simply defined such as;

- Length:-space between any two locations
- Time:- space between any two changes

With static **Space Medium Matter** in the universe, time has no recognition at all and it doesn't elapses. Time emerges in to exist only whence it starts moving.

- **Linear Motion** of the **Space Medium Matter** creates **Energy** to the Universe
- **Rotary Motion** of the **Space Medium Matter** creates energy stored **Atomic Matter** to the universe.

**Distance** becomes **complex** when it comes to measure along the axis of the **4<sup>th</sup> Dimension**. Similarly **Time** becomes **complex** to measure when matter is moved along the axis of the **4<sup>th</sup> Dimension**.

Disappearance and Reappearance of things (the three phases of space matter) is certainly due to inability of our observatory organs to measure along the **4<sup>th</sup> Dimension**.

### What is life?

How could **life** only be so precious of a thing in a **Solar System**, while all the phases in the **Cosmos Transformation** from **Hydrogen to Dark Matter** are of same significance?

### What is the Origin?

**Origin** and **End** are the distinct destinations expected by **Linear Thinking** but can we mark a beginning or end on a **Rotating Cycle**?

*Man is inquisitive enough to explore secrets in the Nature and he will be able to explain someday or other how all that happened.*

*But at the end, the explorer will find, he is just at where he started, without a good answer for his kid's question 'Why all that happened?'*

END

by

*Cyril H Thalpe Gamage*

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