

CHAPTER-5

SOLAR-SYSTEM AND HOW IT EVOLVED?

Highlights about the chapter (SOLAR-SYSTEM AND HOW IT EVOLVED?) in MATERIALISTIC UNIVERSE by Ramesh Varma.

Note: Chapter over SOLAR-SYSTEM AND HOW IT EVOLVED? is not an encyclopedia. Challenger has illustrated only which relates to the new or contrary findings/understandings with some existing references to make the subject understandable.

- In the galaxy; two massive stars (SUNS) which form galactic bar orbit around each other over an imaginary dot by their white-matter-rays. This phenomenon disapproves World's understanding that the planets in solar system orbit around the Sun because the centrifugal force and gravity between the Sun and the planets. (Explanation over chapter: GALAXY).
- Existing basic speculations/understanding over the solar/planetary system are false/wrong; not only false/wrong but give inverse-credibility to the Physicists/Astronomers.
- For stable generation nuclear reaction in the Sun is not at its centre but is over a specific shell over the core of the Sun.
- Sun-matter is compact not only by its gravity but also by the back-thrust of the escaping materialistic white-matter-rays from the Sun-surface.
- There is nothing like wind in the solar-wind, which is called solar-wind but what is it?
- Solar-wind particles are from the extremely dense matter. Nucleus of the comet is mostly made of it.
- Repeated visits and deposit of extremely dense solar wind-particles over the nucleus of the comet, develops small comet to a great-comet.
- Solar-wind particles accelerate on their escape from the core of the Sun. They retain acceleration while passing through the corona and also while travelling through the space. Solar-wind particles accelerate because of the variable white-matter pressure from the corona to far off in solar system, like air bubbles accelerate on being released from the bottom of the ocean.
- Sun is getting its spin force from its own generated materialistic rays. Some feeble rays from the central clubbed/cluster of stars from galaxy along with the rays of the planets by their reflex-action are also providing spin force to the Sun.
- It is the spin of the Sun and materialistic white-matter-rays which are the key factors for the functioning of the solar system.
- Planets are getting spin force by their own radiated/generated rays along with spin force by the curved-rays from the Sun.
- Planets are away from the Sun by the repulsion of materialistic white-matter-rays generated/radiated by the planets it self and by the Sun (Planets are further away by the semi-centrifugal force).
- Repulsion/thrust by the solar-ejects (solar-wind particles and white-matter-particles' ray both) over the flat rings of Uranus have formed its orbit elliptical.
- Planets are orbiting the Sun by the materialistic white-matter-rays of the Sun and also by their own rays because of their reflex-action.
- Solar family is in one plane i.e., at the equator plane of the Sun by the materialistic white-matter-rays of the Sun which form mirror reflection image pattern to keep trap its all family over the said zone.
- Kepler laws over the orbital path of the celestial bodies are not applicable as medium (white-matter) in the space poses resistance along with the effect of materialistic rays over the celestial bodies. More the body eccentric to the Sun, greater the noticeable effect (example: Planet Pluto).
- Laws of the Newton too over the celestial body are not applicable unless effect of the rays is considered.

CHAPTER-5

SOLAR-SYSTEM AND HOW IT EVOLVED

Information about solar system and how it evolved is over the Internet and also in the books but for comparison purpose a brief references/paragraphs has been taken from Internet as stated and exhibited in this chapter.

World:

Internet, dated 28/12/2003

Five billion years ago a cloud of hot swirling dust and hydrogen gas gave birth to our Sun and planets. As the cloud spun and collapsed inwards it flattened into a central mass with a surrounding disk. Dust and gases in the disk formed small condensations each spinning about its own centre. Gravitation condensed and heated the central mass. Density increased dramatically and [nuclear] fusion began. Energy was released and our Sun flared into existence. The solar wind of the newly ignited Sun blew away leftover dust and gas in the vicinity of the inner condensations, leaving the rocky inner planets: Mercury, Venus, Earth and Mars. In the other regions of the disk, the solar wind was weaker. The remaining dust and gas condensed onto the larger gaseous planets; Jupiter, Saturn, Uranus and Neptune.

Note: Read information about solar system from the Internet first to understand what new the Challenger has observed, concluded and proved.



PART-A

Before explanation by the Challenger about solar system and some false existing speculations/understandings by the World need explanation to weed out false knowledge from the mind of the concerned.

CHALLENGER:

● SOME FALSE SPECULATIONS RELATED TO FORMATION OF SOLAR SYSTEM (SUN AND PLANETS):

Past-era Physicists/Astronomers have used different basics to prove different speculations. When two different speculations are clubbed together, none of the basic understood give the answer rather proves inversely of their creditability. The present Modern-era Physicists/Astronomers are blind followers of the past wrong/false speculations. Physicists/Astronomers to prove phenomenon (A) have used speculation (a) and to prove phenomenon (B) they have used speculation (b) and soon. Every speculation with the passage of time has become an understanding and long period of its acceptance has put over it a blind approval stamp.

Before exhibiting some examples of the speculations which have put negative creditability to the Physicists/Astronomers, a query needs its answer from every concerned as stated below:

Is it possible that a (one) rotating cloud can split to yield /form a number of different rotating clouds to form Sun from the central mass and other planets from the other rotating split clouds? No, if not agreeing to it, make a computer model to understand this OR understand from the Nature. Have you ever seen a swirling tornado splitting to two or have seen a cyclone splitting to two? No. OR have any one seen that two adjacent tornados or swirling cyclones/ clouds being clubbed together to form one spinning formation. Brief explanation is ahead in this chapter.

Below are some examples which prove that how wise are the World Physicists/Astronomers (Paragraphs of the World understandings have been exhibited below):

Speculation (a) by the World Astronomers to prove phenomenon (A) that our solar system is in almost a plane:

FROM A BOOK OVER ASTRONOMY OF WORLD REPUTE

The formation of the solar system

The present-day layout of the solar system offers a number of clues as to how the sun and its family came into being. From observational evidence gleaned by astronomers we have pieced together a theory as to the formation of the solar system that we believe to be correct, at least in general terms.

The solar system formed from a rotating cloud comprising gas and particles of dust and ice. This cloud is referred to as the solar nebula. Though the effect of gravity, the material in the solar nebula congregated towards the central region, resulting in an increase in density, temperature and pressure and the formation of a 'protostar'.

At the same time, the rotation of the irregular cloud caused it to flatten out into a disc. It was from the central region of this disc that the Sun was formed, the outer parts eventually forming the planets. This theory ties in quite well with observation, which shows us that the planetary orbits are more or less in the same plane.....

Speculation (b) by the World Astronomers to prove phenomenon (B) that how Sun and planets have been formed

Internet, dated 28/12/2003

Five billion years ago a cloud of hot swirling dust and hydrogen gas gave birth to our Sun and planets. As the cloud spun and collapsed inwards it flattened into a central mass with a surrounding disk. **Dust and gases in the disk formed small condensations each spinning about its own centre.** Gravitation condensed and heated the central mass. Density increased dramatically and [nuclear] fusion began. Energy was released and our Sun flared into existence. The solar wind of the newly ignited Sun blew away leftover dust and gas in the vicinity of the inner condensations, leaving the rocky inner planets: Mercury, Venus, Earth and Mars. In the other regions of the disk, the solar wind was weaker. The remaining dust and gas condensed onto the larger gaseous planets; Jupiter, Saturn, Uranus and Neptune.

Speculation (c) by the World Astronomers to prove phenomenon (C) that why different planets have different direction of their spin and different speed of rotation?

FROM NEWSPAPER, 16th NOVEMBER, 2007

The spin of the earth is 1000 miles per hour and its direction is east to west. Planet Venus, similar in size and mass, rotates backwards, west to east; its day lasts 243 earth days giving a spin rotation of about 4 miles per hour. Planet Uranus rotates on its side. Its summers and winters are 21 earth-year long. Planet Jupiter, the biggest in the solar system, spins fastest at the rate of 28000 miles per hour. How can one reconcile or understand these wide discrepancies?

Sticking with the basic argument given in answer to the previous question we can give the following explanation for the apparent discrepancies you have pointed out:

Different rates of spin depend on the rotation period of the original cloud from which the planets congealed. In the relatively chaotic phase of formation of the solar system no uniformity can be prescribed in this regard.

For example Jupiter must have contracted from an enormously large rotating cloud of the dust and gas. That is the reason it spins so fast.

Slow retrograde rotation of Venus probably comes from the fact that its parent cloud was rotating very slowly in that reverse direction.

Uranus must have been knocked on its side early in its history by a large body. Such collisions were not that unlikely.....

- To prove phenomenon (A) i.e., that why our solar system is in a flat plane; the World Astronomers speculated (a) the formation of sun and planets (solar system) from a (one) rotating cloud comprising of gas and particles. Cloud spun dramatically fast to form a disc (extremely thin disc).
- To prove phenomenon (B) i.e., That how spinning different planets have been formed along with the spinning Sun, the Astronomers speculated (b) that one large spinning cloud split to form from the central mass as the Sun and from the rest of the disc other spinning planets were formed.
- To prove phenomenon (C) i.e., That why different planets spin in different directions; Astronomers speculated (c) that all the spinning cloud which on split developed different directions of spin thus the planets formed are spinning as per their clouds from which they have been formed.

Conclusion:

No two or more spinning/rotating gases/liquid formations can split or unite together by retaining their pre-spin. Two spinning formations can not split at their own unless exploded or parted. Any attempt by any external body/force to split any rotating formation would result stoppage of its pre-spin; split bodies may again start spinning at their own with no relation to their pre-spin.

Has any person seen anywhere clubbing of any of the two swirling-winds, tornados, cyclones etc? Answer must be, no. Any of the two gaseous and particles swirling/spinning formations if are seen and noticed nearby by any person, these must be having in between a calm/lull/undisturbed atmosphere-zone and all the formations must be spinning in the same direction. Now visualize clubbing of any two swirling/spinning formations. On clubbing; their moving boundaries would touch each other in the reverse direction (because these formations are spinning in the same direction) and on further bringing closer the formations under visualization, both formations would lose their spins to reach a stage of restlessness or calmness but definitely would lose their pre-spin. Even if it is presumed that two spinning formations which have to club together are spinning in the reverse directions; on merging with each other they too have to lose their pre-spin direction and on clubbing they cannot spin in any direction. After becoming restless in disturbed manner they may or may not adopt any spin direction as per the circumstances.

Hence, two or more swirling/spinning formations/ nebulas/ clouds cannot get clubbed together to form a big, slow or fast swirling/spinning formation/body without being passed through a state of disturbed/calm/lull state and also can not split thus speculation that vast spinning nebula/cloud on its split formed spinning Sun and planets is wrong. If among the Experts, any Expert

does not have capability to visualize, he/she must develop a computer program to understand, what has been observed visualized and understood by the Challenger.



• False understanding with the Astronomers and Physicists that from where does the Earth receive the energy to rotate around its axis and to orbit?

FROM NEWSPAPER, YEAR - 2003

From where does the earth receive the energy to rotate around its own axis and to orbit the sun?

The energy and momentum of the earth and other heavenly bodies primarily came from the method of their formation. If we take the generally accepted theory of formation of the solar system then these energies are derived from the original energy and momentum of the large cloud of gas and dust that gave birth to the system through gravitational contraction. In the processes of such contraction the overall angular momentum had to be conserved and enormous amount of gravitational energy was converted into kinetic energy. Once a planet like the earth is set into rotation or circulation around the sun we do not need any engine to keep it going. There are perturbations caused by the various gravitational fields it might encounter. Moving at uniform speed does not require any energy. I am neglecting the small changes that occur through tidal interaction with other heavenly bodies. (It is well known that the speed of rotation of the earth might have been reduced over billions of years because of the tidal friction of the moon).

Challenger:

What the World understands that all is wrong. Earth spins by its own radiated rays and also by the Sun rays. It is the Sun rays which push the Earth to orbit around the Sun as illustrated.



• False understanding with the Astronomers/ Physicists that how is Earth hanging in the vastness of space? And what keeps it in its place?

FROM NEWSPAPER, YEAR - 2003

How is our earth hanging in the vastness of space? What keeps it in its place?

The earth should not be seen as hanging in a place. It is moving. It is moving but it is subject to the force of the sun and the other planets. The attraction of the sun balanced by the centrifugal force of its movement. While the earth is not a prisoner kept in chains, it cannot be playful and run around like a child. Only those forces can slow it down that oppose its motion. These are mild forces of distant planets or the tidal forces of the sun. Without these forces it would go on moving without requiring any propulsion engines.

We need to get away from earthly notion that something that is not supported by pillars or chains is hanging and wants to fall down somewhere. There is no down except in the direction of the net force. Also we should remember that once something is moving with respect to someone elsewhere, that someone has no right to claim that it is truly at rest. Motion is relative. Further more the laws that apply in any frame of reference are equally valid in another frame moving at uniform motion with respect to the first frame. We know this is valid when we pour tea in a fast moving jet plane-the tea falls into the cup using the same skills we use at home.

Challenger:

What the World understands that all is wrong. It in not the centrifugal force but it is the semi centrifugal force along with the thrust of the rays by the Sun and the Earth both which keeps the Earth away at its place.



● **False understanding with the Astronomers/Physicists that if everything attracts everything else due to force of gravity, why don't the planets fall into the Sun, or the Moon fall into the Sun or the Moon fall into the Earth?**

FROM NEWSPAPER, YEAR 2006

If everything attracts everything else due to force of gravity, why don't the planets fall into the sun, or the moon fall onto the earth?

The simple answer to this question would be that they do fall but keep missing their target because they are always in motion with respect to each other. The moon will definitely hit the earth if someone were to stop it from going around and suddenly release it. It is all the time falling towards the earth and keeps missing it. In fact, the combination of falling and the forward motion it got long ago keeps it going around in its orbit.

The same is true of the satellite we launch. If we were to shoot our satellite straight up and leave it there it would fall down. That is why in order to make it go around the earth we take it up to a height and give it sufficient horizontal velocity so that it might go on trying to hit the earth while continuing to miss it! If a batsman were to hit a ball straight up it would come down and hit his head (or the bat, if he is a good marksman). But if he also gives the ball some horizontal velocity, he can get a sixer. If he were a superman he could actually put the ball into an orbit around the earth.

Challenger:

What the World understands that all is wrong. Plants do not fall into the Sun and Moon does not fall into the Earth because of the repulsion by the rays of the Sun and planets or Moon and Earth along with semi-centrifugal force as illustrated.



● **False understanding with the Astronomers/Physicists that why do all planets rotate around an axis? What is the force that makes them rotate at a constant speed?**

FROM NEWSPAPER, YEAR 2006

Why do all planets rotate around an axis? What is the force that makes them rotate at a constant speed?

When such a question comes to our mind there seems to be a feeling that a sweet well-behaved planet is sitting there unmoving and quiet when something happens that makes it rotate and then continues to push it around at a constant speed. Such a feeling is misplaced. Rotation and revolution are movements that are integral to the manner in which the planet is created.

The creation process is dynamic. For example it may happen that when a cloud of material is going around a central star the particles, large and small, in that cloud star accreting due to mutual force of gravity to ultimately make a conglomerate that begins to look like a planet. This conglomerate would than have the motions that are resultants of the momentum and angular momentum of the initial particles and stones.

The probability that the angular momentum will be exactly zero is also zero. Therefore the planet will emerge with some positive angular momentum. In other words it is most likely that it will be rotating.

There is a bias introduced by the initial processed and early history of formation of the solar system. It is believed that primarily the whole of the solar system was a single complex happening. A slowly rotating large cloud of gas and dust started to collapse. In order to conserve the angular momentum the speed of rotation increased. The equatorial part of the cloud resisted the inward fall of the material while towards the poles there was no effect of the centrifugal force.

The shape of the cloud tended to look like a disc with a bulge at the centre. The central part became our sun when the heat generated through inward falling of matter created temperature where thermonuclear reactions could start. The material at the fingers of the cloud basically inherited the rotation direction of the initial cloud, though it was spread into disc.

The coagulations of the material into clusters lead to the birth of planets. So rotation and revolution was their inheritance.

There is no force within them that caused or causes their motion. The motions of the planets can be changed if they happen to collide with other large masses, as might have happened more frequently in the early history of the solar system.

The important thing to remember is that a moving mass would continue to move in its path unless there was an external force on it. Luckily that happens fairly infrequently if we measure time in human life spans.

What the World understands that all is wrong. It is the rays of the planets and the Sun which spins the planets as illustrated.

● **FALSE SPECULATIONS BY THE ASTRONOMERS/PHYSICISTS RELATED TO SOLAR-WIND AND SOLAR SYSTEM:**

Before linking false speculations/understandings of the Astronomers over solar-wind, some important paragraphs/lines from the newspapers and Internet have been exhibited below:

SOLAR-WIND AND THE COMETS:

FROM NEWSPAPER, 31st OCTOBER - 2007

Rare opportunity to see Comet Holmes

There is a rare opportunity to explore in the northern sky after the sunset, a celestial body **Comet Holmes, as big as the largest planet, Jupiter,** with naked eyes. The comet, seen after a gap of 115 years, will be a lifetime experience for the sky observers.....

FROM NEWSPAPER, 9th, November-2007

Celestial celebrations

This stranger is actually the well-known periodic comet belonging to our solar system. The comet, named as Holmes after its discoverer Edwin Holmes, who first spotted it on November 6, 1892, goes around the sun in an orbit. Given its distance of 1.6AU from us, this means **that the actual**

FROM Internet, 8th, November-2007

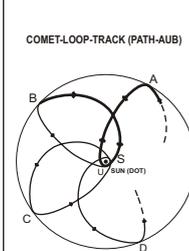
Comet.....

A ball of ices composed of water, ammonia, methane, carbon dioxide, and other substance, also mixed with rocks and dust. **As a comet approaches the sun, the comet heats up and the ices melt. The solar wind pushes particles away forming a glowing tail pointing away from the sun.**.....

SOMETHING MORE ABOUT THE COMET:

- Most comets are large bodies having their size not lesser than some planets. (True)
- Comets re-start their journey toward the sun from a far off place in space but within the solar system. (True)
- Speed of the comets at re-starting point is negligible or can be understood as zero. When these comets cross the orbital path of earth, their speed is in thousands of Kilometers. (True)
- These giant and fast moving comets can not plunge into the sun due to the solar wind (Challenger : Comet does not plunge into the Sun only due to the solar wind but due to the thrust of sun-FSOM-rays and solar wind both).
- Comets orbit the Sun (Challenger: Comets do not orbit but moves in a loop-track due to their eccentric position.)

Comet does not travel in any orbit, it only tracks the plane in a unique way which can be called as '**Comet-Loop-Track**'.



Sketch is by presuming that the Comet had not lost or gained mass during its re-start journey. A, B, C, D, are the start points and also the farthest point of the Comet as per its mass. Small Dot 'S' in the centre is the Sun. Sun spin is in the direction ABCD. 'U' turn point of the track AUB, defines AU distance much shorter than the return distance UB. Sketch can't be made proportional to the actual distance, hence to make proper sketch is not possible.

● **FALSE SPECULATION BY THE ASTRONOMERS/PHYSICISTS THAT THE PLANETS ORBIT THE SUN IN NO MATTER ZONE AND FALSE UNDERSTANDING ABOUT THE PLANET PLUTO:**

World Astronomers understand that the planets orbit the sun in no matter zone (or in frictionless zone); Sun and the planets are spinning and orbiting due to motion they got at the time of their formation and rays (solar-ejects) are not playing any role. To find or spot future position of the planets, they use Kepler's Law and the same law they applied over the Pluto. They failed to spot Pluto at the location where they calculated. Instead of understanding Pluto, they called Pluto a misbehaved planet/body and later excluded it from the list of planets.

SOLAR WIND AND THE EARTH:

From Internet on 7th November, 2007

What could happen if the earth stopped revolving around the sun?

The earth can't stop orbiting the sun and not fall into the sun, its basic physics, the centripetal force of the orbit counteracts the sun's gravity.

"If the earth suddenly stops orbiting we fall into the sun and have a very bad last couple of days."

From Internet on 7th November, 2007

What could happen if the sun stopped spinning?

Because the Earth still orbits the Sun in this scenario, the Sun would still appear to go around the sky once per year. It would rise and set only once every year. If you wanted to magically stop that motions as well, again you would need to transfer the angular momentum of the Earth's orbit to somewhere else. Doing so would likely cause a shift in the orbits of the outer planets. **Now, with Earth having no motion around the Sun, it would be begin to fall straight toward the Sun. In a few months it would crash into the Sun: end of Earth.** The Earth is always falling towards the Sun (its gravity pulls us toward it). But it also has motion around the Sun which balances the pull and keeps us going around in a roughly circular orbit.

World understands that if earth stopped revolving around the Sun it would fall or plunge into the Sun. But a comet, size of which is equivalent to the planets, starts its journey from almost zero speed from a far off place in the space and reaches to a speed of thousands of Kilometers on crossing the earth's orbit and could not fall into the Sun because of the solar wind. Whereas Earth, which would start from zero speed toward the Sun; where comet has a speed of thousands of Kilometers; would fall or plunge into the sun (without being opposed by the solar wind). **How wise is the speculation/thought/ understanding please give a thought over it.**

CONCLUSION:

Astronomers understand that comet does not plunge into the sun due to solar wind. In reality, it is not only the solar wind which prevents plunging of the comet into the sun but comet escapes from falling into the sun due to solar-ejects i.e., Sun white-matter particles rays and solar wind particles both as illustrated and proved under the relevant chapter(s).

Earth too would not plunge or fall into the Sun, if Earth stops its spin and orbital motion. But if we **presume** that earth stops spinning and also its orbital motion and thus on being attracted by the sun; it would not remain a sphere on gaining speed but would have loose rocks, dust, gases, ice and water vapors in a shape similar to the comet, thus its fate would be like a comet. (Earth would not plunge into the sun as Astronomers understand)

From above, readers must gauge the level of understanding of the World Astronomers that how wise are their speculations/understandings? In reality what would happen, if we suppose or presume that our earth slowly and gradually has stopped spinning and orbiting?

Earth would not fall into the sun but would perform action as stated and illustrated under the relevant chapters/paragraphs and under TEN QUERIES.

FROM NEWSPAPER, YEAR-2005

A misbehaved Planet

It's been 75 years since the discovery of Pluto, but it remains a mystery.....

"It's a misbehaved planet if you want to think about it as a planet," said Neil de Grasse Tyson, director of New York's Hayden Planetarium at the American Museum of Natural History.

Estimated orbital period of Pluto is 238 years. It has not yet completed one revolution since its discovery in 1930, so Astronomers were/are not familiar with its actual movement/orbit/track. Had they noticed actual track of Pluto, they might have understood something contrary to their existing understanding. During the last 80 years, since its discovery, Astronomers could not understand Pluto due to their existing wrong understandings and called "Pluto a misbehaved-body. No Natural celestial body can be called or labeled as misbehaved-body. By calling a Natural body so proves poor understandings with the Experts over Astronomy.

CONCLUSION:

Due to solar-ejects (white-matter-particles and solar wind particles) no planet in true sense is orbiting, they all are moving in a loop-track as illustrated and proved under the relevant chapter(s). More the body (planets, comet or any body) is eccentric greater the shift in loop-track. Due to this factor, Pluto being highly eccentric moves noticeably different than other planets. This all has been explained and proved under the relevant chapter(s).



● **FALSE SPECULATION BY THE ASTRONOMERS/PHYSICISTS THAT THE SOLAR SYSTEM IS IN A FLAT PLANE DUE TO ITS FORMATION FROM A CLOUD THAT SPUN VERY FAST RESULTING TO FORM A SHAPE OF THIN DISC.**

World understands that our solar system is over a almost flat plane, because of its origination which was from a fast swirling/rotating cloud that turned to a thin disc just before forming sun and planets.

Solar system is in an almost flat plane not because of the reason observed and explained by the World but it is due to the Sun white-matter-particles' rays which forms a V-rim or Notch-zone over the plane passing through the equator of the Sun as illustrated and explained under the relevant chapter(s).

Had it been so as World understands, then why are the rings of Uranus perpendicular to this flat plane? Uranus on colliding with any other body can adopt any shape or thus its angle of rotation but any collision could not tilt the rings of the Uranus. Rings got tilted due to the white-matter-particles' rays emitted by the Uranus by keeping the particle/mass/satellites in its (Uranus) Notch-zone in flat rings as illustrated under the relevant chapters.



So, solar system being in a plane is not due to the reason (false speculation) as concluded and understood by the World, but it is due to the white-matter-particles' rays as illustrated by the Challenger.

Above said false speculations are self explanatory but more false understandings proved because of the discovered/ understood unique property of light/rays are as under and in the MATERIALISTIC UNIVERSE.

PART-B

Challenger:

How the solar system evolved?

Solar system is a part of the galaxy and galaxy (Milky Way) has been evolved from the explosion of a black-hole.

In the galaxy some big and denser fragments/objects of the mass formed the core of the Sun and rest of the mass including gases surround it. Total mass compacted due to the gravity followed by the explosion in the core; process of compactness and explosion went on till the central core of the mass developed like Sun and started nuclear reaction. This process smashed all chunks/fragments to fine dust with gases, which surrounded the newly formed Sun. white-matter-particles rays (white-matter) of the Sun on stabilization of the core of the Sun started giving a fast spin to the core thus spin to the Sun. Sun's core or the Sun along with dust and gases got pre-direction of spin from its galaxy i.e., From the central massive clubbed stars (Suns). Fast spin of the Sun played the role to arrange the dust and small pieces of the matter in the form of flat rings over the equatorial plane of the Sun by drifting gases at far off. Denser and big particles were near the Sun but whereas lighter and the finest were far away. Curved-rays on emerging from the spinning Sun gave push to the matter to orbit around the Sun while retaining the matter in the flat-rings.

This process started clubbing of the matter to form big chunks; big chunks developed to big bodies to become the core of the thousands and thousand small planet like objects. These small planets like objects clubbed together to form big planets. In this process along with some planets, some comets too developed. These comets were nothing but some dense mass which was ejected by the Sun-rays to far-off and these dense masses in an attempt to stabilize their motion like planets were/are playing the role of comets. Comets played the role to form planets from different density/kind of the mass at different locations over the planets.

As the planets grew in size, they started acquiring satellites, small objects and gases around. Planets which were/are near the Sun could not hold great amount of gases because of the thrust by the Sun rays but planets which were/are far away got sounded by the huge gases. Planets, which were/are very near the Sun could not hold any satellite because of the high thrust from Sun rays, thus they do not have any satellite.

More about the formation of solar system is ahead in this chapter under different paragraphs and under some queries.

Formation of the Sun:

Matter consisting of small objects, dust and gas (from which solar system has developed) collapsed towards the core by the gravity factor. Denser substances formed the core surrounded by the dust and gases. Situation developed to trigger nuclear reaction resulting to form the core matter as Sun. Newly formed turbulent-Sun was exploding and throwing/ejecting the mass towards all directions and the scattered masses were again coming back towards the Sun. Sun was again throwing/ejecting the mass out wards; the whole

matter of solar system was rest-less. Sun along with its surrounded mass (dust and gases) were spinning slowly by the rays of the central clubbed stars of the galaxy but gradually as it stabilized, Sun started fast spin by its rays. Fast spin by the Sun developed image reflection pattern of the rays over its equator plane, which formed trap zone to keep trap dust, and other small objects in the form of flat rings and gases were drifted far away but were over/near the equator plane.

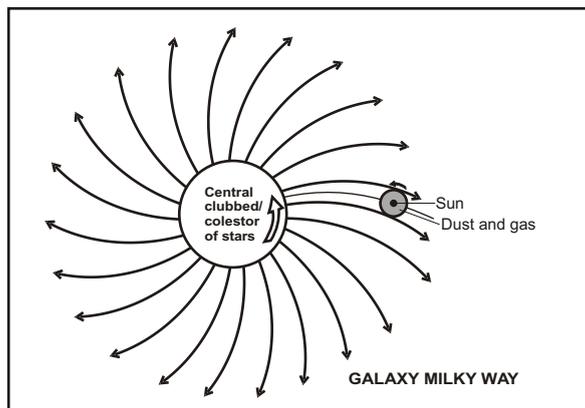
At what location nuclear reaction is taking place in the Sun?

Nuclear reaction as understood by the Experts could not be at the centre of the core of the Sun but for stable generation of white-matter-rays, nuclear reaction must be taking place over the shell of the core at a specific distance from the centre of the Sun. Temperature inside the said shell would be stable and maintaining the temperature to keep the nuclear reaction on over the matter which touches the said specific shell.

How the Sun got spin?

Before formation of the core-matter of the nebula as Sun; core was surrounded by the mammoth sphere of dust and gases. This sphere of dust and gases with its core was being spun by the rays of the central massive clubbed/clusters of stars (SUNS) called as Galactic-bar.

Pre-Sun-core was spinning slowly as compared with the spin speed of the dust and gases which were surrounding it. This slow speed of the Pre-Sun-core was due to the fact that core was being spun by the dust and gases, whereas sphere of dust and gases was being spun by the rays of the central stars of the galaxy.



But when core of the nebula developed to Sun, the rays of the newly formed Sun spun its core with fast rate than the existing spin speed of the dust and gases. Powerful Sun-ray on emerging from fast spinning Sun arranged particles of the nebula in flat rings over its equatorial plane and the gases were drifted to far off but over/near its equatorial plane.

Later dust particles developed to planets. On being developed to planets; dust which was far away came near the Sun in the form of planets. Gases too came near the Sun-zone along with the formed planets. Now the Sun is spinning at its own with its own rays but feeble effect of the spin force from the central-stars still exists. Spinning planets too are contributing some effect by their generated/ radiated rays due to reflex-action to spin the Sun.

Conclusion:

Now the Sun is spinning by its own rays along with feeble spin force rays from the central-stars of galaxy and also by the reflex-action of the rays from the spinning planets.

Core of the Sun would be spinning at faster rate than its Sun as being noticed at its surface.

Consider Sun consisting of different shells. Escaping white-matter rays are putting their back thrust over the surface shell resulting to give a spin to Sun. Surface shell is putting its back thrust over the shell which is inside below it to spin it faster as its surface area is small than the surface-shell. This process goes on up to the core, thus core would be spinning at faster rate than the spin being observed at the surface of the Sun.



Magnetic field of the Sun:

What causes magnetic field in the Sun?

Challenger has not gone deep over this subject but one observation which the World lacks is as under.

Only those planets have the magnetic field, which have molten core and also have fast-spin speed. Besides some factors known to the World, a major factor is that when a molten core spins, its every shell spins with different speed; central part of the core spins faster than the top shell. This different in the speeds of the shells, would be responsible for the magnetic fields. Venus spins slowly thus this planet lacks magnetic field.



What is keeping the Sun compact?

Besides gravity of the Sun, the white-matter on its escape is putting back-thrust over Sun's surface to keep the Sun-matter compact. Zone over the Sun's surface is getting immense pressure by its own white-matter-rays which is keeping it compact. Once nuclear reaction is stopped, Sun matter would swell.



Sun can not have gaseous atmosphere (outer shell):

World understands that the Corona of the Sun has gases and is being surrounded by the gases. Their said speculation might be due to another false understanding that the comet tail is being formed by the solar-wind (tail of the comet is not formed by the solar-wind alone but with prime and major share by the thrust of Sun-white-matter-rays).

Under pressure gas can be transformed to liquid and further pressure can transform liquid-gas to solid; similarly a constant pressure (compactness) of the white-matter-particles can result to behave it as liquid. This situation/factor concludes that corona of the Sun would be having liquid white-matter-particles (or liquid white-matter) but not the gases.

Gravity of a celestial body results to makes the atmospheric-gases denser. If the Sun has upper shell of the gases, gases would be highly compressed because of high gravity of the Sun thus gases would be forming an extremely dense shell over the Sun/corona.

Escaping white-matter-particles' rays under the shell of corona would be highly dense, much denser than any liquid over the Earth. Is it possible for such a dense white-matter-particles' rays to pass through extremely dense shell of the gases with out expanding and taking along the gases shell to space? No; thus corona can not have a shell of gases but it is the shell of white-matter. This can further be well understood by the following some examples and facts.

If Sun-white-matter rays were leaving the Sun from some pockets/patches, materialistic Sun-white-matter rays' particles could have torn off the gaseous shell to escape in the space. But when white-matter has to leave the sun from the total surface with pressure,

Rays have to blow off dense gaseous shell to take along with the gaseous-shell to the space. Such event is not happening, because such event can take place only once in the life of the Sun that too when nuclear reaction has just started and could never be a continuous process.

When an atom bomb is detonated, its white-matter-rays expel all the air which is surrounding it, though expulsion of air is a momentary phase. The said blast is momentary, because escaping white-matter rays are for the momentary duration. Had explosion (generation) been continuous, no air can exist near the surrounding continuous generation point.

So outer shell of the Sun must be an ocean of dense white-matter having physical property like in between liquid and gas but Sun would not have any gaseous atmosphere.

PART-C

Solar-ejects

All that Sun ejects are a matter. This State of the matter plays prime and vital role in the working mechanism of solar/planetary system

Note: World knows much more about the solar-wind (High speed charged particles containing electrons, protons and ions etc) but here only some facts have been taken for consideration which are required by the Challenger for the purpose of understanding solar/planetary working mechanism and also some facts about solar wind/rays which the World could not understand. Challenger has understood solar-ejects in a simple way and to its best.

This sub-chapter contains:

- Solar-wind particles and all types of light and other rays **OR** all that is escaping from the Sun.
- Speed and acceleration of escaping matter/rays **OR** all that is escaping from the Sun, like light rays, any kind of other rays, ions, charged particles or any matter in any form.



Queries answered of this sub-chapter:

- **What ejects the solar wind particles (solar-ejects) to space?** The escape velocity of the particles provided by the kinetic energy from hot gases in the Corona **OR** the thrust of concentrated high-speed materialistic light/rays as per the factor (density, mass, surface-area ratio) of the ejected particles.
- **What results to accelerate solar wind particles (solar-ejects) in the Sun's Corona?** High temperature in the Corona and some other factors known to the Experts **OR** declining density/pressure of matter in the Corona at every shell from the surface of the Sun to outer shell of the Corona along with a **unique** sub-property of light-rays.
- **Why the accelerated fast moving solar-ejects (solar wind particles) do not put any direct thrust over the planets/satellites/objects for keeping them away except showing their thrust effect over the tail matter/particles of the comet?** This is due to the magnetic charge over the planets which deflects them (solar-wind particles) **OR** thrust factor has skipped from the mind of the Experts though these solar wind particles put their most effective thrust over the planets/satellites irrespective of the fact, whether the planet or its atmosphere has any electric charge/magnetic charge to deflect solar wind particles.

● **Why speed of light is same every where in space though it varies with the density of media over the Earth?** (Light has more speed in vacuum than air; more speed in air than water). This fact has been adopted to make calculations easy **OR** density of media i.e., white-matter between the zone 'Sun and Mercury' and zone near the Pluto is of the same density.

● **What causes stable generation and release of the matter and energy (white-matter) in the Sun?** Cause is due to nuclear reaction at its centre **OR** due to nuclear reaction over a specific shell over the core inside the Sun?

● **What results to form a tail of the comet?** Tail of the comet is only due to solar wind (solar wind particles) **OR** due to the resistance by the space-media along with thrust of light/rays and solar wind particles.

● **What results to form a densest substance in solar system i.e., nucleus of the comet?** Experts have not conceived this query in their mind. It is due to hitting (head-on) densest solar wind high speed particles with softened high speed moving nucleus of the comet.

● **Where do solar wind particles find their place to rest?** Experts have not conceived this query in their mind. Solar wind particles which are not absorbed by any solar body/object find their place at the outer most ring of Oort-cloud. Clubbing of densest solar-wind particles has resulted to develop core of the new forming objects and other solar bodies. On getting bigger and bigger objects move again toward the Sun.

● **What results to develop a small comet to a great comet?** Experts have not conceived this query. It is the repeated visits of the comet which develops its nucleus bigger and bigger with densest solar wind particles thus small comet to a great comet. Further clubbing of densest solar wind particles in Oort-Cloud would have developed seeds to originate new comets.

● **Why Uranus has elliptical orbit and why it is closer to the Sun when edge of it's ring faces the Sun and it is away from the Sun when flat side of it's ring faces the Sun?** Uranus has been formed like this or got elliptical orbit by any collision **OR** this phenomenon is due to thrust of solar-ejects over its rings.

Note: Answers to the above said queries have not been given separately but illustrations and conclusions given are self explanatory to arrive at the answer by you.

Solar Winds:

Information from the World (only information that was required by the Challenger):

● High speed charged particles constantly blowing off the Sun are called solar wind. Solar wind contains roughly equal number of electrons and protons along with few heavier ions. Particles blow continuously from the surface of the Sun at an average velocity of 400km/second.

● The solar wind is not uniform. Although it is always directed away from the Sun, it changes speed and carries with it magnetic clouds, interacting regions where high speed wind catches up with slow speed wind, and composition variations. The solar wind speed is high (800 km/s) over coronal holes and low (300 km/s) over streamers. These high and low speed streams interact with each other and alternately pass by the Earth as the Sun rotates. These wind speed variations buffet the Earth's magnetic field and can produce storms in the Earth's magnetosphere.

● The source of the solar wind is the Sun's hot corona. The temperature of the corona is so high that the Sun's gravity cannot hold on to it. Although Experts understand why this happens but they do not understand the details about how and where the coronal gases are accelerated to these high velocities.

● Excess kinetic energy from solar winds can impart sufficient energy into atmospheric particles to reach escape velocity, causing atmospheric escape. The solar wind, composed of ions, is

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deflected by magnetic fields because the charged particles within the wind flow along magnetic field lines. The presence of a magnetic field thus deflects solar winds, preventing atmospheric loss to solar winds.

● While Venus and Mars have no magnetosphere to protect the atmosphere from solar winds, interaction of the solar wind with the atmosphere of the planets causes ionization of the uppermost part of the atmosphere. This ionized region of atmosphere, in turn, induces magnetic moments that deflect solar winds much like a magnetic field, limiting solar wind effects to the uppermost altitudes of atmosphere.

Amalgamated information of the World and some facts understood by the Challenger:

1. What is escaping from the Sun?

- Different kinds of light rays:
- Different kinds of rays other than light rays:
- Stream of high-speed charged particles consisting of electrons, protons along with heavier ions:
- Traces of different kinds of hot gases:
- Miscellaneous beyond explanation. (Need not to be stated):
- **NOTE:** Mixture of classifications over the matter and energy which the Sun ejects is confusing thus the Challenger has adopted universal mode for all the ejects by calling these as '**Solar-ejects**':

2. Solar ejects: (Light/rays and solar wind particles)

Solar-ejects is a white-matter. For the purpose of understanding working mechanism of solar/planetary system, what different kinds of matter/rays are escaping from the Sun has no concern to the Challenger. Solar-ejects or what so ever is escaping from the Sun in the form of light/rays or ions or charged particles, that all is white-matter.

● **Light/rays:** Light/rays are a state of the matter. Light/rays are composed of microest spheres, which all are closely touching each other to form a row or a ray. Because of this property, a ray on emerging from a spinning body does not move straight but adopts a curved path as illustrated under the relevant Chapter/Paragraph. Light/ rays being materialistic put thrust over the bodies to keep them away. Light/rays have another sub-unique property to overlap and to shed over lapping.

● **Solar-wind particles:** Any kind of particle(s) other than light/rays, which are also escaping from the Sun, too are closely touching each other on their escape but later particles develop gap in between. Light/rays act like guided railing which takes along solar-wind particles. Thus all solar-ejects are following the same pattern of path as adopted by the light/rays as observed, concluded and proved under the relevant Chapter/Paragraph.

Example: Sand/dust particles move along the direction of air in a dust-storm or whirl-wind or tornado. If along with sand/dust particles, there are also-iron particles and we put a strong magnet around the whirl-wind or tornado; iron particles would get deflected from the path as adopted by the sand/dust particles. Similarly solar wind charged particles moving along with the Sun-rays get deflected only near the planets/satellites due the magnetic field over the planets and or due to the charge over the air molecules of the atmosphere or by any other known/un-known factor. After the effective planet's/satellite's magnetic zone, particles other than the light/rays again adopt the same pattern of their path as adopted by the Sun light/rays.

What guides the function of heavenly bodies?

Working mechanism of solar/planetary system in fact is not only guided and performed by the light/rays but also guided and performed by the particles which escape from the Sun and other bodies along with the light/rays or in true sense solar/planetary system is guided and performed by all the ejects i.e., white-matter microest-particles.

Light/rays: Functioning of heavenly bodies by the light/rays has been illustrated under the relevant chapters/ paragraphs.

Note: It has already been illustrated under the relevant chapter/paragraph that presence of light/rays in the space serve the purpose of media for the other rays because of the fact that light/rays has the property to overlap and to shed overlapping and also a ray can pass through from the other ray(s).

Solar wind:

1. Why the name 'Solar wind' though there is nothing like Solar-wind (air or gases)?

The name 'Solar-wind' given to high speed charged particles (electrons, protons and ions etc) emerging from the Sun along with light/rays is confusing as the escape matter is not like wind (air). The name solar-wind was given by the past era Astronomers by noticing direction (away from the Sun) of the comet trail but with out understanding its contents just to justify drifting of the comet away resulting to prevent it's plunging into the Sun. It is surprising to note that why the Experts have not understood the thrust effect of solar wind particles over the planets. Challenger has found a reason for it, which too is due to false understandings with the Experts over the resultant effect by the solar-wind particles over the planets as stated ahead.

2. The effect of Solar-wind particles over the planets/Satellites and over their atmosphere:

Experts understand that excess kinetic energy from solar winds can impact sufficient energy into atmospheric particles to reach their escape velocity, causing atmospheric escape. The solar-wind, composed of ions, is deflected by the magnetic fields because the charged particles within the solar wind flow along with magnetic field lines. The presence of magnetic field thus deflected solar-winds, preventing atmospheric loss from solar-winds. Planets which do not have high magnetic field, Experts have understood deflection of solar wind by the atmospheric charge, which need not to be explained.

Challenger:

Prevention of loss of atmosphere by the deflection of solar wind by the magnetic field or by any other factor of the planet/satellite does not prevent thrust effect over the planet/ satellite by the solar-wind. Atmospheric gases are part of the planets/satellites & vice versa. Both are one unit bonded together by the gravity factor. Further magnetic field formed by the planets/satellites is also bonded with the planet/satellite with the magnetic rays (Two magnets on pointing face to face with their same Poles towards each other, they get repelled not by striking with each other but by the magnetic rays, which are bonded to them). Also the charge over the atmospheric gases is bonded with the molecules of the gases and gases are bonded with the planet/satellite thus all the three (charge, gases and the bodies) bind themselves all as one unit. Any repulsion/deflection to the solar-wind particles by the magnetic/electric charge over the atmospheric gases has reflex thrust effect over the planet/satellite. Deflection of solar-wind particles by the magnetic fields or electric charge over gases only prevents escaping of atmospheric gases to space but not its thrust effect over the bodies. Planet/Satellite gets the thrust-effect from solar-wind particles, exactly the similar way as thrust got by the bodies from light/rays as stated under the relevant chapter. Planets/satellite not only get thrust effect the similar way from the solar-wind particles but also get all other effects in the same or similar way which are responsible for the functioning of solar/planetary system.

3. The thrust effect of solar wind particles over the comets:

It is the comet which has resulted to understand solar wind by noticing tail of the comet which always keeps pointed away from the Sun and solar wind also results to keep the comet away from being plunged into the Sun. A fast moving comet which has densest nucleus of mass, not small but huge is being drifted away by the solar wind charged particles; how much intensity (concentration) of the solar wind charged particles would be which could drift the comet away? Experts must calculate to understand the effect of thrust by the solar wind charged particles over the planets/satellites besides thrust effect by the light/rays.

● Is tail of the comet due to solar-wind particles?:

Experts consider so but Challenger differs in his conclusion. Solar-wind particles are **charged** particles. Along the path of the comet, most of the high speed moving charged particles hit head on with the high speed moving nucleus of the comet which are get absorbed into the nucleus-matter. Most of the solar wind particles from the rest of high speed moving solar-wind charged particles are drifted away by the charged small particles/dust etc of the tail (solar wind particles give angular thrust thus feeble resistance to comet-tail due the charge over solar wind particles and also charge over the comet-tail particles). While the comet moves towards the Sun, tail hides behind the nucleus thus tail matter escapes direct hitting with the solar-wind charged particles. Tail of the comet is mostly due to the resistance of media in its path but where as nucleus and charge over the tail matter keeps the solar-wind particles away from the tail matter, so the resistance to tail matter is mostly from the Sun light/rays as media. Hence it is the light/rays matter i.e., white-matter which results to forms the tail of the comet but not fully from the solar-wind particles.

● What has made nucleus of the comet a densest substance in the solar system?:

Challenger has already observed and stated that the nucleus of the comet must be composed of the densest matter but after going a little deep into the solar-ejects, he has been able to confirm this with proof and firmly. Solar-wind particles are the densest form of matter in solar system, so their head on collision at high speed with the high speed softened (semi-molten by friction with white-matter) nucleus matter of the comet leaves no chance for the solar-wind particles to escape except to merge into the nucleus-matter. Thus on every visit, nucleus of the comet gets rich with the densest substance leading to develop a small-comet to great comet.

4. The thrust effect of solar wind particles over the planets but here only effect over the ring of Uranus:

The thrust effect of light/rays thus effect of solar-ejects over the planets has already been illustrated under the relevant chapters/paragraphs but here thrust effect of solar-ejects over the Uranus because of its flat rings has been stated.

Uranus spins with its axis almost parallel to the Sun equatorial plane. This phenomenon too is due to the solar-ejects as illustrated under the relevant chapter/paragraph. Because Uranus spins so, thus its rings are vertical to Sun equatorial plane. This factor provides greater thrust over the rings thus over the Uranus when its flat rings face the Sun as compared to the position when edge of the rings face the Sun. This difference in thrust magnitude over the flat rings thus over the Uranus results to keep the Uranus away when flat side of the rings faces the Sun resulting to develop elliptical orbit of the Uranus.



Origin of Solar wind particles and light/rays; and do where they go?

Origin: Origin of solar wind particles or of the light/rays may be from within the Sun or from its corona, which has no concern to the challenger for his observed and concluded understanding/discovery. He has observed and concluded that nuclear reaction for the generation and release of light/rays must be taking place at a specific shell over the core but not at the centre of the Sun.

This set up ensures uniform release of light/rays from the Sun. Further this setup also obeys the laws of light/rays which light/rays adopt by the effect of gravity and density as stated under the relevant chapters/paragraphs.

Where solar wind particles go?: These solar-wind particles move to far off end of the solar system by the thrust of Sun rays because of the factor 'surface area, mass, density ratio' in addition to the factors over the move of the solar-wind particles.

Solar-wind particles which are not being absorbed by the solar bodies, find their place at outer ring of the Oort-Cloud. Their

clubbing would result to develop a densest core for the formation of big objects and from big objects to further bigger bodies. These big objects move towards the Sun to become.....

Clubbing of densest solar wind particles in Oort-cloud must have resulted to develop the foundation for the formation of comet(s).



Ejection, Speed and Acceleration of solar wind particles:

1. Ejection of solar wind particles:

Experts are puzzled that what makes the solar wind charged particles to escape high gravitational pull of the Sun? Experts are also puzzled that what results to accelerate the velocity of charged particles on their escape from the Sun and within the Sun too.

Escape velocity: Challenger concludes that there is no necessity to know escape velocity of solar-wind particles from the Sun's surface based on the gravity of Sun. Particles are not being ejected from the Sun like bullets fired from the Earth, where escape velocity is required for bullets to escape from returning back to Earth. Solar-wind particles are being guided and get thrust continuously from and by the new emerging particles and that too from all over the surface. Because of concentrated light/rays which have high velocity, solar-wind particles would be getting ejected (move along with light/rays) even if they do not have the escape velocity.

When matter (Solar wind particles) is being ejected from the core of the Sun from all over its surface, every ejected adjacent particle guides another adjacent particle to move ahead and the following particles push the particles which are forward to them to move ahead against the gravity of the Sun. This process results to make the solar wind charged particles to escape the Sun's gravity besides some other factors known to the experts and stated by the Challenger. **But why the Experts are attempting to find out what causes escape velocity of solar wind particles?**

ANSWER: Though there is no need to raise and answer this query; above said illustration is sufficient to understand the fact but because this cause is among the prime causes which is keeping the Experts (Physicists, Astronomers, Space-Explorers) and the concerned away from correctly understanding solar system. Hence more illustration with some repeated facts is a must.

Experts have not yet understood light/rays as materialistic, they consider light/rays only as a form of energy in the form of waves which has no mass (existence) thus they consider space as empty (absolute nothing). From this false understanding, they consider that there is nothing in between the two adjacent following solar wind particles, so for the Experts a solar wind particle speeding away from the Sun is like a bullet fired from the Sun.

In fact it is not so. On Earth, air takes along sand/dust-particles (heavier than it self) in its own direction like guarded railing but with slower velocity in relationship to its (air) own velocity. Similarly materialistic light/rays take along solar wind particles (particles heavier than it self). Both, the air and light/rays are capable to perform the said act because both have the same/similar physical properties.

- Both are materialistic.
- Both have the property to expand and to fill the expanded space on their move (on expansion both leave no space empty).
- Both have the property to move fast from high pressure zone to low pressure zone depending upon the pressure difference.
- Both air and light/rays have similar relationship with the particles which they carry along. Total mass of an individual particle is some what comparable with them. Mass of a sand/dust particle is thousands and thousands times greater than the mass of an individual molecule of the gas (air); similarly the mass of an individual solar wind particle (electron, proton, ion etc) is thousands and thousands times greater than the mass of the light/ray particle (sphere). If the mass of an individual solar wind particle is much greater than the mass of a particle (sphere) of the light/rays (even concentrated light/rays in the corona), this under-capability of light/rays is being full-filled by the fast speed of light/rays than air.

Because of the this fact light/rays travelling at a speed of 300,000,000 km/per second or even less are capable to drift along solar wind particles at a speed of 300 to 400 km/second (speed of light rays is 1,000,000 times the speed of solar wind particles) but where as on Earth, air (wind) on its fast move at 200 kilometers/hour can carry sand/dust particles at a speed of say 50 to 100 Kilometers/hour depending upon the size/weight of the sand/dust particles. (Speed of air/wind is only 3 to 4 times the speed of sand/dust particles).

Conclusion:

If both, air and light/rays besides their fast speed do not have the property to fill the adjacent/forward space on their move and expansion; both would not be able to carry along sand/dust and solar wind particles. In such case Experts have to find out the escape velocity of solar wind particles but the situation is not so thus the Experts are wasting their time, energy and resources over the exploration of the cause which does not exist.

2. Speed of solar-wind particles:

Speed of solar-wind particles is governed by a number of factors; some of which are as under:

- Mass/density of the particles:
- Size/volume of the particles:
- Gravity of the Sun:
- Density of Sun matter and its corona:
- Speed of Sun-spin:
- Density of white-matter (light/rays):
- Speed of light/rays:
- Temperature of the Sun, corona and miscellaneous other factor:

Solar wind particles move away from the Sun on account of their prime property i.e., microest size/volume which results to drift them away due to 'the surface area mass density ratio' factor by the high speed and highly concentrated light/rays in the corona (and far away too from corona). Density of light/rays in the corona must be comparable with the ejected particles which take along solar wind particles.

Solar wind particles also move forward and get acceleration due to decreasing (decreasing at every next step) density, pressure and also decreasing gravity of the Sun as illustrated ahead in this chapter.

3. Acceleration of solar wind particles:

<p>FROM INTERNET, Feb 2009</p> <p>The Solar Wind</p> <p>The solar wind streams off of the Sun in all directions at speeds of about 400 km/s (about 1 million miles per hour). The source of the solar wind is the Sun's hot corona. The temperature of the corona is so high that the Sun's gravity cannot hold on to it. Although we understand why this happens we do not understand the details about how and where the coronal gases are accelerated to these high velocities.....</p>
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Challenger:

- What results to accelerate Solar wind particles; World has not yet understood yet the reason.
- Gases do not escape in bulk from the Sun with gushing force, so gases would not be accelerating their velocity in the Corona to take along Solar-wind particles. It is the light/rays (white-matter) which has the property to shed overlapping on its move from the source; it is this property which results for acceleration of light/rays matter. Accelerated white-matter (rays) takes along with it other matter from the Sun, which the experts have understood as solar-wind. Accelerated speed of solar-wind matter would be lesser than the acceleration of white-matter (ray), like slow speed of sand/dust particles than the speed of air in a dust storm, whirl-wind and tornado. Solar wind particles too accelerate at their own due to entry on less and less pressure zone in the Sun and corona.

Experts have not yet understood that what results to accelerate the speed of solar wind particles. Challenger has observed, concluded and has given examples which results to confirm that acceleration of solar wind particles is due to their move in zone with decreasing (at every next step) density and pressure aided by the high velocity materialistic light/rays.



Examples and Illustrations: (Examples and illustrations to understand ejection of solar wind particles, their speed and acceleration):

Examples:

● **Particles move along light/rays:** Example has already been given in this chapter that solar wind particles move along materialistic light/rays (white matter) as sand/dust particles move along the wind (dust storm, whirl-wind and tornado).

● **Particles move ahead and get accelerated by the pressure difference in the medium:** Solar wind particles are micro particles thus individual-particle has greater surface area as compared to its mass. This factor gives greater thrust and acceleration to the particles due to the difference in pressure of medium of the corona and space too. If the particles had greater mass and size, they would not have moved and accelerated like actual phenomenon.

Light/rays i.e., microest particles which remain in touch with each other in a ray/row form through out their journey because of the property to shed overlapping. Light/rays microest particles accelerate on entry to less denser media and also accelerate on entry to less pressure zone media. But whereas particles which get separated on their move from its followers get acceleration only on one account of on entering to low pressure zone media and density factor may not have its effect (or would have least effect).

Practical:

Why stream of air bubbles on their escape from the bottom of deep water column develop wide gap in between near the surface of water as compared to their origin point at the bottom?

Have a device which can produce small air bubbles of uniform size to release one bubble just after another or for just simple understanding take air bubble producing device used in the fish-aquarium. Have a deep water column, like swimming pool or for simple understanding look over the fish-aquarium having reasonable water column. Look at the bubbles, you would find a wide gap between the bubbles near the surface of water as compared to the gaps between the bubbles just at its origin point. This has resulted due to acceleration of air bubbles because of the pressure factor. Air bubbles are at great pressure at the bottom than pressure at the surface of water. At every horizontal-plane air bubbles are experiencing lesser and lesser water pressure as they move upward thus are getting acceleration at every plane from this water pressure factor. (Every horizontal plane which passes through the centre of the air bubbles gives greater pressure/thrust at the bottom than over upper half part).

Linking of air bubbles movement with the solar-wind particles:

● What Sun contains, Challenger has no concern for the purpose of understanding movement of Solar wind particles and light-rays (white-matter). In simple terms, Sun is not solid, it is some what like a hot fluid (not even hundred percent like gases) from its core to its surface; from its surface (inner shell of corona) to outer shell of corona. Every shell from the core of the Sun to inner shell of corona and from inner shell of corona to its outer shell of corona has lesser and lesser pressure besides lesser and lesser density. Situation of solar-wind particles in the Sun and corona is the same as the situation of air bubbles in a water column, so solar-wind particles are getting acceleration at every next shell due to low pressure at every next shell. Light/rays microest-spheres (particles) too get acceleration; acceleration of light/rays more depends upon lower density at next medium than the pressure factor because light/rays keep on filling the gap in between the two adjacent microest-spheres on its move because of its property to shed overlapping. Light/rays would be getting least acceleration on account of lowered pressure on their move ahead.

● **Solar wind particles move ahead and get acceleration by the thrust from materialistic light/rays:**

Experts by not understanding light/rays as a state of matter are far-far away from understanding correctly about the movement and acceleration of solar wind particles. Light/rays are

highly concentrated in the corona, their density is comparable with the particles, so fast moving dense materialistic light/rays take along solar wind particles and speed of particles is being accelerated by the ever decreasing pressure of white-matter in corona and space too.

● **Solar wind particles cannot move ahead and get acceleration from the hot gases in the corona as understood by the World:**

Experts understand high speed of the charged particles is due to high temperature in the corona and due to the gases in the corona which are at high temperature. Gases are not escaping from the Sun in bulk like light/rays and thus could not be considered as carrier of the particles. Further traces of gases too are escaping from the Sun due to concentrated materialistic light-rays.



Speed of light/rays:

Challenger has observed some factors which suggest that speed of light/rays is not fixed; it is variable at different zones due to variable factors.

Light/rays (White-matter particles) have the property to overlap and to shed overlapping as explained and stated under the relevant chapter/ paragraph. Every light/ray particle at the core of the Sun is overlapped to billions and billions time (infinite times) that is why no space in Sun's zone is left empty on the move of light/ rays matter from the Sun to far off. These over lapped particles on their move ahead shed overlapping to fill the adjacent space or create new branches.

● Speed of light on Earth in vacuum (Vacuum is no air zone but not absolute nothing zone. It is white-matter zone) is 299, 792, 458 Meters/sec.

● Speed of light on Earth in air (Gases plus white-matter zone) is 294,483,000 Meters/sec.

● Speed of light on Earth in water (water plus white-matter zone) is 218,400,000 Meters/sec.

This variable speed concludes that rarer the medium, greater the speed of light.

Sun's core is the densest and from this core every shell over it up to the surface of the Sun would be less and less denser. Further in the Corona, shell touching the surface of the Sun would be denser than the outer shell of the Corona.

It has already been stated, illustrated and proved that white-matter over the surface of the Sun (Corona) is the densest than the white-matter far away from the Sun. Density of white-matter is more over the Earth than density of white-matter far away (or over the Pluto.)

Challenger has already illustrated in the relevant chapter/paragraph that all colour waves would have different speeds. Further, speed of light also varies because of the density of media, so speed of light must be different at Pluto than measured over the Earth as Pluto has less density of white-matter as compared to over the Earth. Variation in speed may not be great but must be in some hundreds kilometers or so but can not be the same at both the planets.

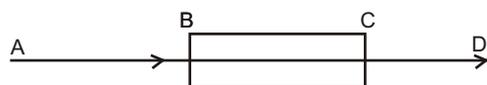
Because of the same fact, speed of light would be slower at the deepest sea bed because of dense water than in water near the surface of the sea which is less dense.

Conclusion:

Speed of light or of any ray 'white-matter' is not the same every where in space due to variable density of white-matter and it is also variable with different kinds of different rays.

Practical observation:

Presume a ray of light (AB) in air passing through a glass slab (BC) and again emerging out (CD) in air from the glass.



Speed of light/ray AB and CD would be the same but whereas while passing through glass slab speed of the ray at BC would be slower. Now visualize that how it would be possible to retain lower speed of light ray BC on its passing through glass slab. This lower speed in glass has to put its effect over the whole ray from its emerging point to far off till it is absorbed on its way by any object/body, but in actual phenomenon nothing like this happens. So what would be happening? Over lapping of microest spheres in the ray BC would not work; there would be nothing possible for the ray BC except i) to radiate/transfer some ray particles in the glass slab and ii) to get an accelerated to speed on its exit point (C) to match with the speed by the particles of the rays CD. This concludes that at exit point (C), light/rays would have greater speed than it has over the path BC or has got acceleration on its exit point from denser media.

On entry to denser medium some microest spheres of the ray would get overlapped due to the impact of the ray AB at entry point (B). Overlapping could not go on thus the ray AB would be shedding/diffusing some overlapped spheres at entry point (B) in the zone around the ray AB. Some microest spheres of the ray would be shed/diffused along the ray BC in the denser medium. On entry of the ray after the exist point C, the ray would get overlapping with some microest-spheres from the zone around CD to recoup the loss of spheres to retain the speed by the ray CD to match with the speed of ray AB.

Movement Light/rays within the Sun and Corona:

This property to shed overlapping is only with the light/rays but not with all the particles which are flowing away from the Sun along with these rays. Particles which do not have the property of overlapping or shedding of overlapping move with almost the same way as light/rays move with acceleration. Because of the stated fact all the ejected particles from the Sun from its core to the inner shell of Corona, from inner shell Corona to its outer shell move with accelerated speed. Acceleration of light/rays never ends but its magnitude keeps on decreasing at faster rate as the light/rays microest particles start their journey from within the Sun to corona and corona to space and space to far off.

Note: Solar wind particles too get acceleration at their own due to decreasing pressure within Sun and corona.

Speed of light/rays at Pluto:

It has been illustrated under the relevant chapter/paragraph that pressure (concentration) of white-matter keeps on decreasing from the surface of the Sun to far off. Decreased pressure means, lower density of white-matter or lower density of media, so any ray on emerging from the Sun would have greater speed in the zone near the Pluto than in the zone over the Earth. (Experts have measured practically the speed of light over the Earth but have not yet experimented to measure practically speed of light at far off place, like over the Pluto.)

By understanding so, a query comes to the mind that why calculation derived by the NASA and other space exploring agencies do not get any noticeable trouble for landing space ships and by performing their mission to far off by considering a fix value of speed of light? Answer to this query too is with the Challenger. Please find answer to this query within yourself by knocking your wit that why calculations derived by the space exploring agencies do not find much trouble (Experts have not given a thought over it) in their calculated missions because of the variable speed of light in solar zone, though space explorers use distance measuring formula based over the understood one fixed speed of light in vacuum i.e., 299,792,458 Meters per second: In case you fail to arrive over or near the answer, please e-mail the Challenger to get the answer. (Locate e-mail address from the website: www.newtonugeam.com)



Experiment in brain to visualize speed and acceleration of Solar-ejects:

Re-perform experiment in brain as performed earlier for understanding planetary working mechanism while getting answers of the queries. You and your remote control device can perform any action as you all have the power given the God.

Experiment in Brain:

- **(i) Position before experiment:**
Sun spinning; Sun rays on.
Earth spinning; Earth rays on.
- **(ii) Position before experiment:**
Sun not spinning; Sun rays on.
Earth not existing near the Sun.

Take Earth away from the Sun, let only the Sun in the space. Stop spin of the Sun.

Now raise gradually gravity of the Sun with remote control device. This would results to slow down the speed of light/rays. Speed of charged particles of solar-wind would also go slower.

A stage would come by keeping on increasing the gravity of the Sun that speed of charged particles would become zero or particles would not escape, along with the light/rays. Light/rays too would travel slowly.

On further increasing gravity of the Sun, light/rays would not escape as their speed would become zero.

If gravity of the Sun is increased beyond this limit, Sun would start sucking light/rays from the space. This would make the Sun as black hole. High gravity level would make the Sun matter denser. Light rays would enter the denser Sun but would not go beyond a more-denser shell in side the Sun because every shell of the Sun would be denser and further denser towards its centre.

On further increasing the density of the visualized Sun, rays would penetrate less deep into the Sun.

Sun like Black-hole and real Black-hole:

On further increasing the density of the visualized Sun, rays would not enter the Sun but in natural set up, black-hole would keep on sucking light rays. In natural set up body has dense core but a body is not so dense in its full form however a black hole may go massive. Its mantle would keep on sucking and absorbing light rays.

From Newspaper
New light on black hole
<p>.....</p> <p>... For a star of the mass of our Sun (whose diameter is about 1.39 million km), the "size" of the corresponding black hole would be about 1.5 km across. The gravitational attraction of a black hole is so strong that it does not even allow light to escape. This is what gives rise to the name "black hole".....</p> <p>.....</p>

Conclusion from the experiment in brain:

- Experts understand and confirm that black-hole sucks light/rays because of its high gravity. Gravity can only suck those particles which have mass. So light/rays have the mass and thus are materialistic.
- Velocity of light/rays is governed by the gravity factor.
- Light/rays cannot enter or escape from body/zone which has great density (or a specific density). This conclusion too get confirmation from the fact that light/rays move faster in vacuum than air and move faster in air than water thus speed of light/rays goes down with the increase in the density of medium. A stage/limit of the density must exist from which light/rays can not pass.

Conclusion about the Sun:

Density of the matter inside the Sun keep on increasing towards its centre, so there must be existing a core inside the Sun from where no light/rays can come out thus nuclear reaction must be taking place at a specific shell over a core but not at its centre. This conclusion has already been observed by the Challenger While understanding that Sun can yield continuous energy (light/rays) only if the nuclear reaction would be taking place over a specific shell over the core.

PART-D

How planets have been formed?

After the turbulent phase of the Sun as stated earlier; Sun started spinning at faster rate by its own generated white-matter-rays. Rays on emerging from the spinning-Sun formed a trap-zone over its equator plane.

Curved rays from the spinning Sun arranged all scattered masses in the form of disc, plane of the disc passed/passes through the equator of the Sun. Big and denser objects were near the Sun and whereas lighter and small were far away because of the thrust by the Sun rays (white-matter) acting by the fact (mass, density, volume ratio.)

Curved rays of spinning Sun also resulted to force the objects to move in an orbit in the direction in which the Sun itself spin.

Being the fact that no object could be of the same size and mass and further all objects have variable densities thus they all moved in orbits with variable speeds. Due to their variable speeds some objects which were faster put continuous pressure from behind over the slow movers. This process aided by the time factor developed the objects to bigger and bigger. On being grown to bigger size every object moved closer to the Sun. In this way developed big objects sucked the small objects of the next row while moving (orbiting) in the disc. Moment was like moving gramophone-head over the record-disc.

Comets and also objects which were like comets, because of the collisions played their own role in making the mass more compact and denser. Further due to the disturbances caused by the comets and comet like bodies, no two objects were orbiting in perfect parallel rings, thus milder collisions/ contact too played their role in making the objects bigger thus building the planets.

This process resulted to form planets from the objects of the disc. Because of this factor disc has gap in most of the stars (Sun) and also in the rings of the planets by forming satellites from the ring objects/particles. To understand this phenomenon, Jupiter is the best example.

Planets moved ahead towards the Sun by merging objects which were behind them but why disc has gap (missing objects) in front of the planet too towards the Sun, like Jupiter has?

After attaining some size, the object/satellite/planet started emitting sizeable quantum of rays by generating its own rays or radiated rays to put actionable effect over the small objects/asteroids which were/are in front of it. Its strong rays resulted to have collision of asteroids thus forming their chips and also resulted to break some of them. Continuous chipping also reduces the size of asteroids. Asteroids of reduced size along with broken asteroids and chips moved for wider orbit.

On move for wider orbit chips got trapped in the form of rings over the following planets and some of the large broken asteroids and reduced size asteroids were/are swallowed by the Jupiter. After swallowing any asteroid, Jupiter goes back a little due to its increased intensity of rays and again starts its march forward. (Chips, broken and reduced size asteroids/objects which were/are not trapped by the following planets nor engulfed by the Jupiter, they find their place in Kuiper-Belt or in Oort-Cloud).

This process has resulted to put gap in the disc in front of the Jupiter. Thus Jupiter has gap on both the sides.

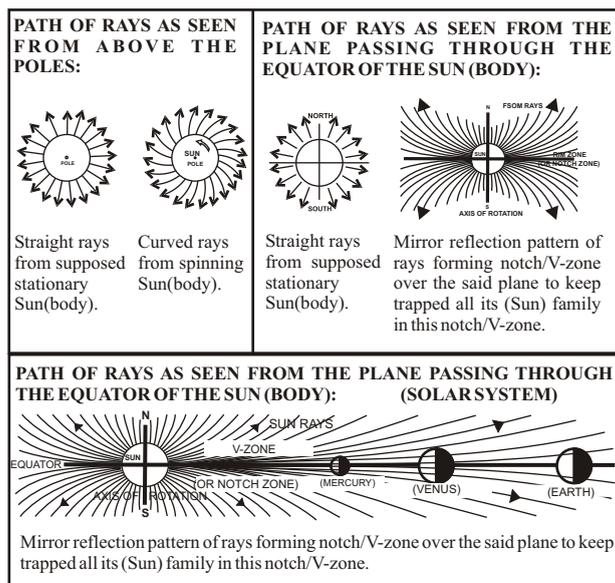
★ Working mechanism of solar/planetary system that how it works?

Challenger by observing/understanding unique property of light/rays has been able to understand true working mechanism of solar/planetary system. Existing knowledge with the World (Physicists/Astronomers/Concerned) is wrong/false which is based

over the false basic speculations/understandings. The following six major functions of the solar/planetary system are:

1. Spinning of the celestial bodies.
2. Orbital motion of the celestial bodies.
3. Maintaining a distance from the Sun against gravitational pull between the Sun and the planets.
4. Functioning of the Sun and its family over a specific plane passing through the equatorial plane of the Sun.
5. Axial tilt of the planets.
6. Sequence of the planets/objects from the Sun.

Before explanation of the said functions, it is better to recollect in mind unique property of light that light/rays are materialistic; A ray is composed of microest-spheres, all spheres closely touching each other to form a row (ray); rays on emerging from a spinning body adopt a curved path; all the rays on emerging from a spinning body form a mirror reflection image pattern over the equator plane of the spinning body to keep trap adjacent effective-range celestial-bodies as shown below.



1. Spinning of the celestial bodies:

Explanation is over the chapter TEN QUERIES under query that what spins the Sun and planets? More additional explanation is as under:

FROM NEWSPAPER, YEAR - 2003

From where does the earth receive the energy to rotate around its own axis and to orbit the sun?

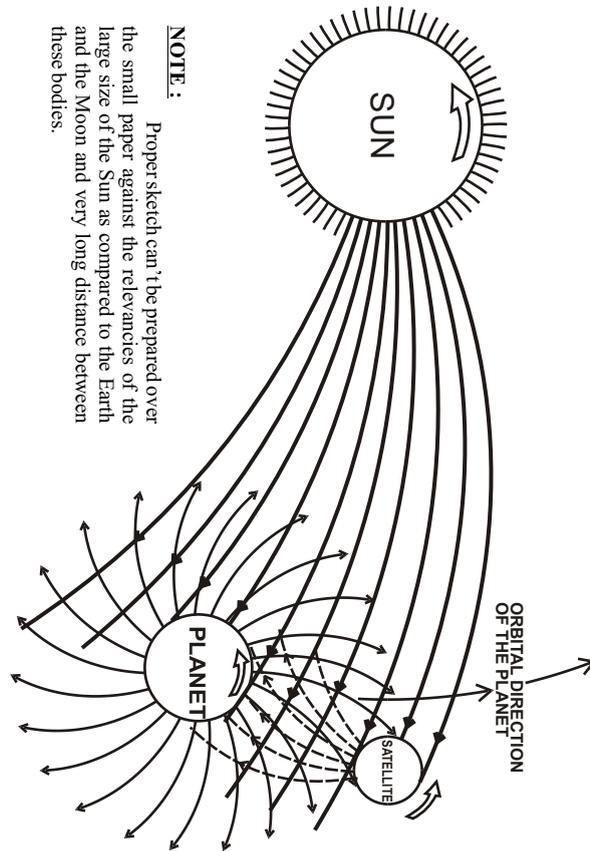
The energy and momentum of the earth and other heavenly bodies primarily came from the method of their formation. If we take the generally accepted theory of formation of the solar system then these energies are derived from the original energy and momentum of the large cloud of gas and dust that gave birth to the system through gravitational contraction. In the processes of such contraction the overall angular momentum had to be conserved and enormous amount of gravitational energy was converted into kinetic energy. Once a planet like the earth is set into rotation or circulation around the sun we do not need any engine to keep it going.....

Challenger:

World understands that once a celestial body is set to spin, it would keep on spinning without any external power. This phenomenon, they understand because of the false understanding that the space is empty from any matter thus celestial body would not face any resistance/friction in the space but the space is filled with white-matter which poses resistance/friction. Every celestial body is being spun by its own rays and also by the rays of the Sun and rays of any adjacent effective range body as explained below.

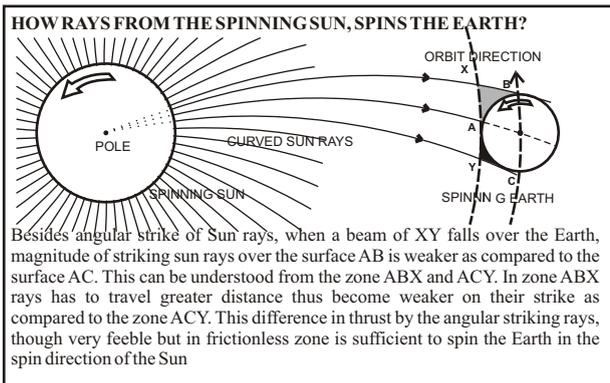
Rays on emerging from a spinning body do not travel strength but adopt a curved path. Once a celestial body got the spin, its own curved rays would keep on spinning by the back-thrust torque force of its rays. Sun got initial spin from the central massive clubbed/cluster of stars of the galaxy and rest of the solar family got their pre-spin direction (spin) from the Sun-rays.

Explanation in brief about the spin of some planets:

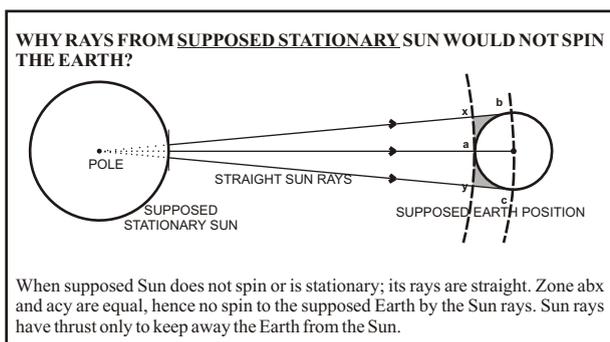


Earth is being spun by the impact (torque force) of sun rays (Rays on emerging from a **spinning** Sun do not travel straight but form a curved/spiral path which spin the Earth on their angular direction strike) and Earth also spins itself by its own radiated /generated rays (Escaping rays from spinning Earth too forms a curved/ spiral path which spins the Earth on leaving due to their angular torque thrust force). Both the rays from the Sun and Earth spins the Earth in the same direction and this spin is in the direction in which Sun it self spins. (Sun rays spin the Earth in its own direction of spin and Earth follows the same spin direction). But whereas in case of Venus due to its extremely denser atmosphere (atmosphere) bend toward the normal. Thus strike angle of the sun rays over the surface of Venus changes and sun rays rotate the Venus in the **reverse** direction. (Radiated/generated rays from Venus, rotates the Venus in the direction in which direction the sun rays are rotating it, thus Venus rotates in retrograde direction). If Sun was not spinning, rays would have traveled straight and their impact magnitude while on their strike over Earth would be balanced on both sides, thus Earth would not have spun. But because sun is spinning, so rays are not straight but form a curve/spiral path thus on their strike over the surface of Earth (or any planet) half part gets greater impact as compared to the other part. This difference (though feeble but effective in frictionless zone) in thrust magnitude over the Earth (or any planet) on its either side (East and west) results the Earth (any planet) to spin.

Moon does not spin, its spin has been locked and thus it always keeps its same face towards the Earth. Spin of the Moon has been stopped due to its specific location developed when Venus, Moon and Earth are aligned closely. Moon's own generated rays intensity is negligible, almost equivalent to nil and thus only radiated rays are left to spin, which contribute very less power for its spin. Further on close alignment and in zone when all the three are near to each other, Venus rays intend to spin the moon in its own direction of spin and the Earth's rays always keep on intending to spin the Moon in its own direction of spin. Because Venus and Earth spins in the opposite directions, so Moon with its own negligible spin power of rays left with no option to spin in any direction. This resulted to stop the spin of Moon. Once or more repeated stops from the spin resulted the denser/ heavy-elements core of the Moon to go eccentric by the pull of Earth's gravity further resulting to lock the spin permanently. (By making the spin impossible due to Earth gravity over the eccentric core)



Spin axis of the Uranus, which is parallel to the plane passing through the equator of the Sun, is also due to the Sun rays which forms notch or V-zone over the plane passing thought the equator of the Sun and specific shape of its (Uranus') solid core. Fast rotation (spin) of the Jupiter is due to its own high intensity generated rays (Jupiter generates six times more rays than what it receives from the Sun to radiate).



Among the two (i.e., Sun and the planet); which one contributes major share of rays' power to spin the planets (Earth)?

- **To keep away the Earth from the Sun;** rays' power (magnitude) of the both i.e., Sun and the Earth are fully responsible. Repulsion force by and between the rays of sun and Earth is being balanced by the gravity pull on each other by the Sun and Earth. This force is in addition the semi-centrifugal force.
- **To orbit or to move the Earth around the Sun;** Sun rays power is fully and **directly** responsible whereas Earth rays power too is fully but **indirectly** responsible.

Curved-rays from the spinning Sun while striking over the planets put thrust pressure lesser on half side as compared with the other half resulting to spin the planet. Had the Sun was not spinning; no planet would have the spun.

Rays emitted and radiated by the spinning Earth put effect (but indirectly) on Earth itself to move around the Sun. This effect, the spinning Earth gets itself by putting effect of its rays on the Sun in an attempt to force the Sun to orbit around it (spinning Earth). Because spinning Earth is a tiny object as compared to the Sun so its attempt to force the Sun to orbit around it (Earth) goes futile (as per its difference in the power of the rays, size/volume and mass between the Sun and the Earth) thus spinning Earth itself gets an orbital move on account of its own generated and radiated rays besides being pushed in orbit by the rays of spinning Sun.

Once a celestial body is set to spin by the curved rays of the Sun, body would keep on spinning by its own curved radiated rays. If the planet is generating its own rays too besides radiating the rays, it would spin faster. Spin of the planet could be in the direction of the spin of the Sun. Those planets which are spinning differently, their spin direction has been explained under the relevant chapter that why it is so.

● **But to spin the Earth by the Sun rays**, only the difference in thrust power of Sun rays over either half surface of the Earth formed (due to the bending of Sun rays because of spinning by the Sun) results to provide a little but the most important primary and direction decider spin to the Earth. Once a spin is given and direction is guided, rest of the spinning work, **Earth does itself** by its own generated and radiated rays.

Sun came into existence first and the Earth has been developed later, so the Earth has to spin in the direction in which Sun rays are forcing/guiding it to spin.

CONCLUSION:

What so ever is the spinning speed of the Earth this is mostly due to its own generated and radiated rays and Sun rays too are contributing for the spin but a little as per the difference in thrust power of Sun rays on either half side of the Earth. Under the same principle, other planets get the spin and orbital movement around the Sun.



2. Orbital motion of the celestial bodies:

Explanation is over the chapter TEN-QUERIES under query that what keeps the planets/satellites/objects moving in an orbit? More additional explanation is as under:

Orbit of the celestial bodies:

Had there been no white-matter medium and celestial bodies were not generating/radiating materialistic white-matter-rays, all existing bodies would be in the existing orbits unless disturbed or collided. Because of the white matter medium and materialistic white-matter-rays every body intends to stabilize to a circular orbit. Friction of the white-matter is least (not absolute nothing) thus process takes millions/billions years to achieve perfect circular orbit. Impacts/collisions with small/large bodies develop situation resulting to disturb every body thus no body reaches at the targeted mission to have a perfect circular orbit, hence all celestial bodies are eccentric to the Sun with variable magnitudes.

Are planets orbit or move in a loop track?

Had there been no white-matter medium and celestial bodies were not generating/radiating materialistic white-matter rays; all existing bodies would be orbiting in real sense i.e., Bodies would be reaching at the same point on completing one orbit with respect to the Sun and solar plane.

In fact no body reaches at the same point after completing its one orbit. After completing every orbit, body shifts its re-orbiting point thus instead of orbiting, it moves in a loop-track. More the body is eccentric to the Sun, greater the shift point; no body is orbiting in a perfect circular orbit thus all bodies are orbiting in a loop-track.

The reason of the move in loop-track by the planets/comets/objects is the high intensity white-matter-rays of the Sun. Explanation is under the chapter PLUTO and COMET.



STABLE ORBITAL DISTANCE (SOD): (THIS FACT IS THE MOST IMPORTANT TO UNDERSTAND ASTRONOMY):

World (Physicists/Astronomers) do not understand this fact, because World considered/considers that the heavenly bodies move in an orbit due to the centrifugal force balanced by the gravitational pull.

But the Author had observed, concluded and proved that if any spherical planet be captured and placed gently before the Sun, this place should be over the plane passing through the equator of the Sun. At a specific distance from the Sun, white-matter rays thrust of the Sun would balance the gravity pull of the Sun and the planet. After leaving gently the planet at this 'SOD' point, due to curved white-matter rays planet would gradually start spinning in the direction of the other planets and would also start moving in the orbit as other planets

are moving, because the planet has been 'gently' placed (not captured), the orbital movement would be **perfectly** a circular.

Author had given the name SOD (Stable Orbiting Distance) to a distance from the central body where from the orbiting body behaves so.

FACTS FOR CONSIDERATION WHEN A BODY IS PLACED AT 'SOD':

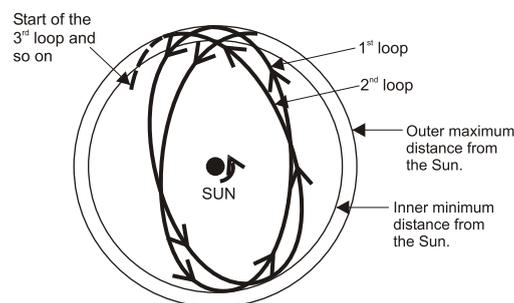
- Physicists/Astronomers (World) understand that planets are orbiting the Sun because of the centrifugal force. Under above said observed experiment, where the centrifugal-force has been disappeared?
- World also understands and adopts Kepler laws to understand motion of the planets. Under the said observed experiment, where the Kepler-law disappeared?

KEPLER'S LAW OVER THE PLANETS:

It has been already stated that Kepler's law over the planets would be applicable if the space was frictionless. Further planets are not moving automatically with the motion got from their birth; they are being driven in orbit (loop-track because all planets are eccentric) by the curved-Sun-white-matter-rays emerging from the spinning-Sun.

Because the planets are not orbiting at stable-orbit-distance (SOD) from the Sun, so they all are having eccentric-elliptical-orbit-(loop-track), eccentricity varies planet to planet. Greater the eccentricity of the planet, more the shift (start or end) point like that of the comet. So all the planets are not moving in any orbit but are moving in a loop-track. This loop-track enables the planet to scan the whole plane of the solar-system up to a distance of its maximum distance from the Sun.

OUR EARTH TOO SCANS THE SOLAR PLANE AS SHOWN BELOW:



Earth completes one loop-track in one year and would be completing the solar-plane-scan in thousands years. This all depends upon its eccentricity with the Sun.

CONCLUSION:

- Author has concluded that the kepler's laws over the planets are not truly applicable. These are helpful for approximate calculations and particularly over those planets, which have small eccentric elliptical-orbit.
- No planet moves in an orbit, all scans the solar-plane in a loop-track.
- Prime factor for the working mechanism of solar/planetary system is the materialistic white-matter-rays whereas the said laws are the secondary factors which the World considered/considers as the primary.



3. Maintaining a distance from the Sun against gravitational pull between the Sun and the planets:

Explanation is over the chapter TEN QUERIES under query that what keeps the planets away from the Sun OR what keeps the Moon away from the Earth?



4. Functioning of the Sun and its family over a plane passing through the equatorial plane of the Sun:

Explanation is over the chapter TEN QUERIES under query that what keeps the bodies (Sun and planets or solar system) in a flat zone?



5. Axial tilt of the planets:

Explanation is over the chapter TEN QUERIES under query that what tilts/tilted the axis of spin of the tilted planets? More additional explanation is as under:

World:

Axial tilt of the planets is because of their formation from the tilted spinning cloud from which these planets have been formed and some planets have got tilt later by colliding with some celestial bodies.

Challenger:

Tilt of the planets is not because of their formation from any tilted-spinning cloud and also is not due to any impact or collision with any celestial body. If any planet collides with any body, it may have the tilt but with the passage of time it would stabilize for its spin as per its latest developed physical conditions. If a planet does not go under any change except impact/ collision, even after getting a tilt by the impact, it would restore back its axis-tilt as it was prior to the impact/collision but it would take some time.

Tilt of the planets is governed by the materialistic white-matter-rays of the Sun and also of the planet itself. Any nearby planet too effects the tilt by its rays but this tilt would be negligible (not noticeable).

Tilt magnitude of the individual planets depends upon the following factors:

- If a planet is perfect sphere and of homogeneous mass, it would have 0° axial tilt. (Similar to planets Mercury).
- Magnitude of the rays emitted by the planet determines its axial tilt. Even if a planet is perfect sphere and has homogeneous mass but generate great magnitude the white-matter-rays it would get a tilt because two flat jets of rays by the planet and by the Sun can not pin point towards each other or remain over a plane (Situation similar like Jupiter).
- Any denser big patch over a planet or even inside, except perfectly at its centre would become the reason of axial tilt. Much greater eccentric patch/core of dense mass can even prevent its spin. (Situation like the satellite Moon with respect to the Earth).
- Shape of the planet determines its axial tilt. Uranus has solid core surrounded by the dense gases. Solid core of the Uranus is not a sphere but like two hemispheres having in between a thin disc thus its axial tilt has been tilted to 98° as illustrated under URANUS.
- If a planet has any Satellites(s), such formation can also have the axial tilt by the Sun rays because clubbed bodies form one unit for Sun-rays.
- Flat rings are also responsible for the axial tilt by acting as wings of the body.
- Mountains/bulge/ravines/depressions etc too are responsible for the axial tilt of the planet.
- Axial tilt of the individual planet (Mercury to Pluto) has been explained under the relevant chapter of particular planet and in brief of all the planets over the TEN-QUERIES.



6. Sequence of the planets/ objects from the Sun.

Explanation is over the chapter TEN QUERIES under query that what factors are responsible for the sequence of planets (distance from the Sun)?

Some more understanding about the planet, Jupiter to Neptune is as under:

WHY SEQUENCE IS SO; THAT JUPITER IS THE LARGEST; SATURN IS THE SECOND LARGEST; URANUS IS THE THIRD LARGEST AND NEPTUNE IS THE FOURTH LARGEST PLANET IN THE SOLAR SYSTEM?

When Solar System emerged, material of Solar System other than the Sun formed a ring of different sized and different densities around the Sun like Saturn has rings. Material from the Asteroid belt to its extreme outer orbit (ring) up to kuiper-belt constituted a major part. These four giants have been formed from this mass i.e. from the existing Asteroid belt to far off up to kuiper-belt in Solar Systems space (which has been almost vanished now).

Every planet is moving towards the Sun fraction by fraction due to addition of mass by sucking meteorites, asteroids and other small or large bodies but where as chipped/broken mass of Asteroids belt is going away from the Sun towards these four giant planets. Asteroids in Asteroid belt keep on colliding or striking with each other due to white-matter rays of Jupiter and Sun in particular. This process forms chips and breaks asteroids into pieces, which on becoming smaller move towards wider orbit or towards these four giants.

Jupiter gets the first chance to suck large asteroids which come towards it due to breaking or by the forwardness of Jupiter itself toward the Asteroid belt. Jupiter emits its own white-matter rays, so small pieces are being thrust away and these small pieces form a ring around Saturn or some large pieces which Saturn can not thrust to space are being sucked by it and left over material or broken asteroids are trapped by the Uranus and Neptune or go into far off for picking up by the comets.

All these giants are called gaseous planets, because they have extremely thick shell of gases over their solid core. They got thick gases cover because they (their core) have been originated from far off beyond Neptune, might be near existing Pluto or even beyond that. Gases being the lightest, Sun white-matter rays has thrust gases to outer rings which these planets have captured bit by bit by growing solid core bigger and bigger and by forwarding fraction by fraction.

All these said factors have resulted to develop Jupiter the largest, Saturn the second largest, Uranus the third largest and Neptune as the fourth largest planet in Solar System.



7. Formation of flat rings around planets:

World: World does not know the reason.

Challenger: Celestial body (Planet) forms flat rings of small objects, dust etc when it releases more quantum of white-matter rays than it receives from its parental/central body. White-matter rays on emerging from the spinning-planet from a trap-zone over equator plane of the planet. This trap-zone forms flat rings from the objects, dust and ice etc. Thrust of white-matter rays from the planet against its gravity attraction arranges these small objects/particles/dust/ice crystals etc in fat-rings as per their surface area, mass, density ratio.

Note: Central Massive stars of the galaxy form rings of the stars/Suns, planets and other objects because they release more white-matter rays than they receive from the Universe. Similarly our Sun has formed rings of the planets because our Sun releases more white-matter rays than it receives from the central massive stars of our galaxy. Under the same principle planets (Jupiter, Saturn, Uranus and Neptune) have formed rings of small objects because they all release more white-matter rays than they receive from the Sun.



8. Magnetic field over the planets:

What causes magnetic field over the planets?

Among so many other reasons known to the World that what causes magnetic field over the planets, Challenger has observed one reason as stated below.

For the magnetic field over a celestial body, body must have the molten core and also should spin fast. Venus spins slowly thus lacks magnetic field. When a celestial body spins, its molten core too spins but every shell of the molten core spins with different speeds. Centre of the core spins faster than the top shell of the core. This difference in the speeds of the shells of the molten core would be responsible for the magnetic field along with some other reasons/factors.

Factors; which regulate circulation-direction and circulation-speed of atmospheric-gasses:

Circulation-direction and circulation-speed of the atmospheric-gasses is by the materialistic-rays of the Sun and also of the planet. Spin direction and spin-speed of a planet is also governed by the materialistic-rays of the Sun, so spin-direction and spin speed factors of a planet are not the primary reasons. There are a number of other factors, which distort system of gases-circulation. Some of which are (i) Tilt of spin axis (ii) Oceans/water (iii) Snow (iv) Mountains (v) Hot and cold regions (vi) Life and vegetation (vii) Distance of the planet from the Sun (viii) Size, mass, density volume etc of the planet (ix) Its satellite(s) (x) Effect by the gravity of nearby planet(s) etc.



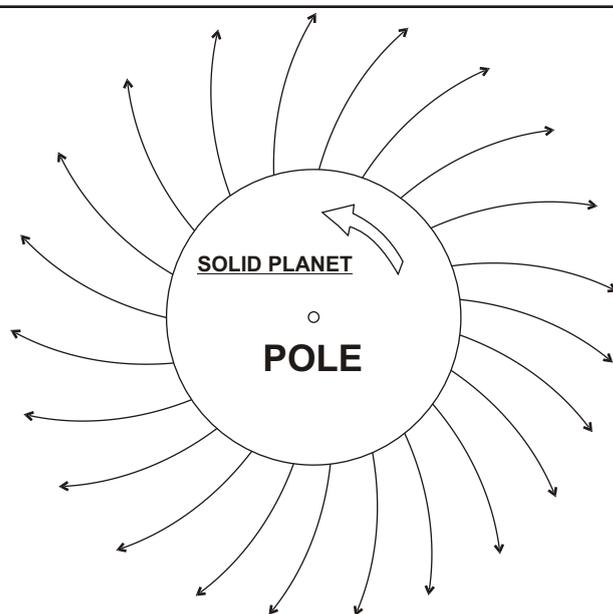
SUB-PART-1 (Spin to planet, its core and circulation of its gassy-shell by its own materialistic-rays):

- How own materialistic-rays of the planet spin the planet?
- How molten core of the planet spins?
- How molten core of the planet spins the planet?

(1) Spin of the solid-planet:

Spin by the solid-planet by its own materialistic-rays by ignoring (i) effect of the Sun because of its materialistic-rays and its gravity (ii) effect of any nearby planet by its gravity and materialistic-rays and (iii) effect (resistance) of the space (medium in which it spins); And also by ignoring effect of its molten-core and its gassy/liquid-gasses-shell (atmosphere).

Spin of the planet by its own materialistic-rays as seen from above its pole.



Note: Materialistic-rays shown here are with greater curve to make the concerned understand .

(2) Spin of the solid-planet and its molten-core:

Spin by the solid-planet and its molten core by the materialistic-rays by ignoring effect of the Sun, any other planet(s) and space as stated above; And also by ignoring effect of its gassy/liquid-gasses-shell (atmosphere).

Molten-core gets spin by the escaping materialistic-rays. Molten core always spin faster than the solid-core. Molten core gives spin to the planet by its viscosity friction, so spin direction of the molten core and of the solid-planet is the same.

PART-E

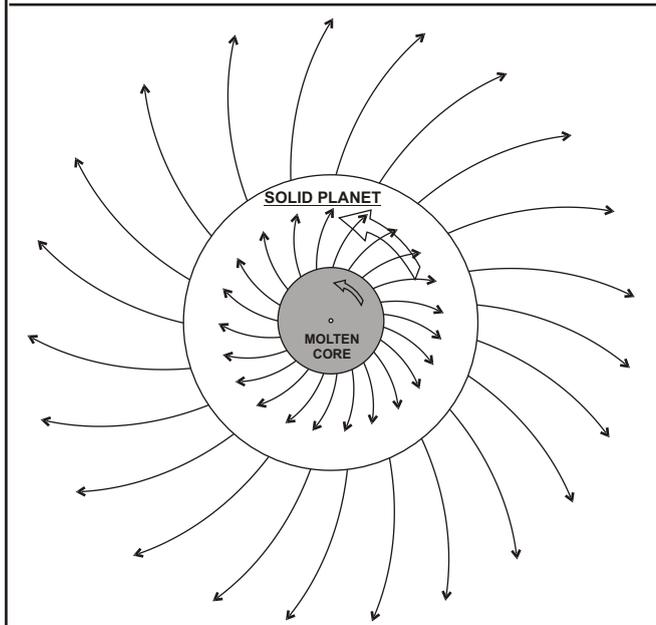
Spin by the gassy-shell and liquid gasses-shell over a planet:

Note: If discovery information was written and read the way we learn other subjects; like 'A' for Apple and 'B' for boy, it would be very easy to understand. But this way, no one likes to read thus understand. To understand properly this part of the illustration, please read again after going through all the contents of discovery (Materialistic Universe) to have link of all the informations.

- Before any explanation over spin by the gassy-shell and liquid gasses-shell; flash information has been given below over the spin by the solid-planet and spin by its inside molten-core to link the illustration over spin by the gassy-shell and liquid gasses-shell.
- Planet spins by its own materialistic-rays. It gets guided spin-direction from the Sun/star by the Sun/star materialistic-rays. Materialistic-rays of the Sun/star too spin the planet. In fact planet gets spin by its own materialistic rays (generated/radiated) and also which it gets from the Sun/star. Besides this, planet also gets spin power from its molten core.

- Planet faces resistance to its spin-speed from some factors, which are variable planet to planet. Spin by the planet is also affected by the gravity and materialistic rays of other nearby planet(s). In fact spin of a planet is governed by a number of factors, some of which are in favor and also some against the spin force. A planet spins by overcoming the resistance factors.

Spin by the planet and spin by its molten core because of escaping materialistic-rays.

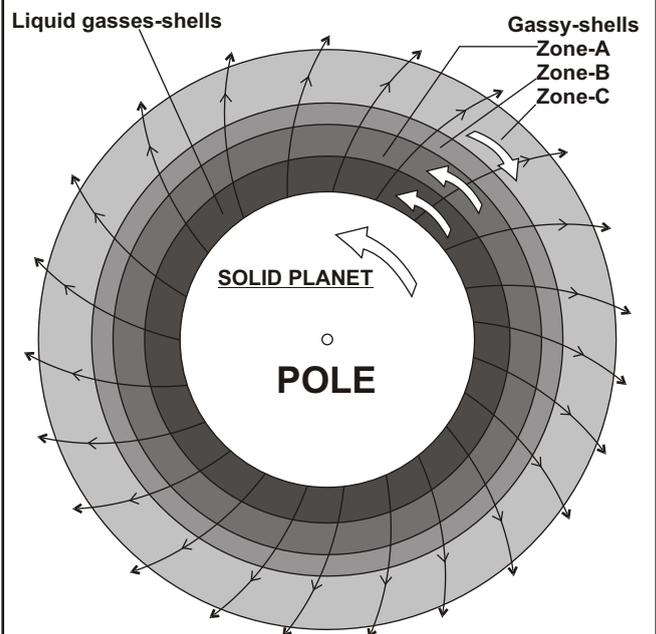


(4) Spin by the planet; its liquid-gasses shell and its gassy-shell.

Spin by the planet, its liquid-gasses-shell and its gassy-shell by the materialistic-rays by ignoring effect of the Sun, any other planet(s) and space as stated above; And also by ignoring effect of its molten core.

Hot and cold pockets formed by the Sun and some other factors as stated earlier have been also ignored here, which disturb the stated cycle/direction of gassy-shells.

Spin by the planet; its liquid gasses-shell and gassy-shell.

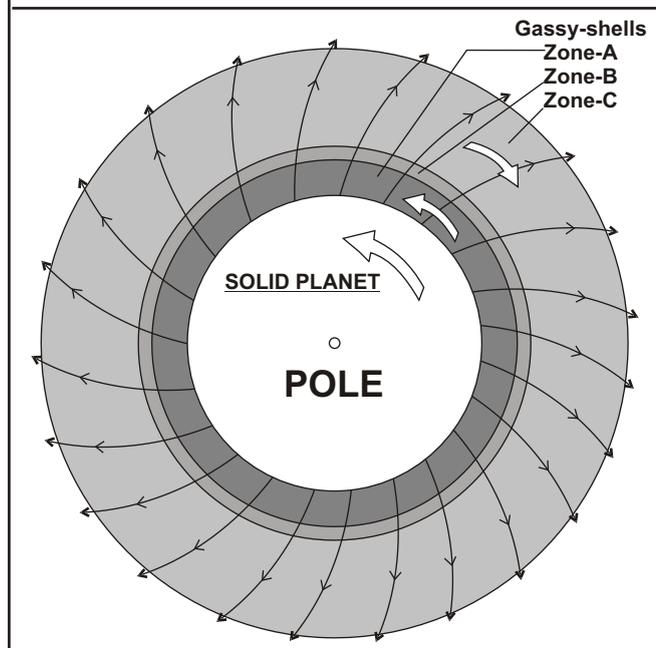


(3) Spin by the planet and its gassy-shell.

Spin by the solid planet and its gassy atmosphere (shell) by the materialistic-rays by ignoring effect of the Sun, any other planet(s) and space as stated above; And also by ignoring effect of its molten core.

Hot and cold pockets formed by the Sun and some other factors as stated earlier have been also ignored here, which disturb the stated cycle/spin of gassy-shells.

Spin by the planet and its gassy-shell by its own materialistic-rays.



Materialistic-rays at their escape from the solid surface have feeble effect over the gas molecules for spin to gassy shell than the effect of contact friction of gasses with the solid planet. So, shell of gasses in zone-A which touches the solid planet, spins the gasses in the same direction in which the planet spins. As the materialistic-rays move ahead and pass through the gasses zone-C; materialistic rays spin the gasses-shell in the reverse direction of the spin than the planet. Gasses of zone-B almost remain stationary because of the opposite spin direction of the gasses of zones-A and zone-C.

Solid-planet spins liquid-gasses shell by contact-friction in the direction in which it spins. Gasses shell of zone-A touching the liquid gasses-shell too spins in the direction of the liquid gasses-shell by the contact-friction. Gasses-shell of zone-C has less viscosity friction, thus it gets spin from the escaping materialistic-rays. Gasses of zone-C spin in the reverse direction than the spin-direction of the planet whereas gasses of zone-B, which is in between the zone-A and zone-C, almost remains stationary.



SUB-PART-2 (Spin to the planet and to its gassy-shell by the Sun's-rays):

Affect of materialistic Sun-rays over the spin, spin-speed and spin-direction over the solid-planet; its gassy-shell and its liquid gasses-shell:

Materialistic-rays from the Sun intend to spin the solid planet in its own direction of spin but Sun-rays on passing through dense liquid gasses-shell or from dense gassy-shell or from both the shells may cause reverse spin to the planet, provided planet is very near the Sun. (Explanation is under the relevant chapter but ahead in flash form).

Materialistic-rays from the Sun also spin the gassy-shell and liquid gasses-shell as per the factors/laws as stated ahead.

Spin given by the materialistic Sun-rays to the gassy-shell and liquid gasses-shell of a planet:

Planet and its gassy-shell along with liquid gasses-shell get spin-force (torque-force) by the materialistic Sun-rays besides getting spin-force (torque-force) by its own materialistic-rays (radiated or generated or both) as stated earlier.

Before any explanation over the spin by the materialistic Sun-rays to spin gassy-shell and liquid gasses-shell, flash information over the spin by the solid-planet by the Sun-rays is a must.

(1) Spin of the solid-planet only by the materialistic-rays of the Sun.

Flash information: How materialistic Sun-rays spin the planets?

Materialistic Rays on emerging from spinning body do not travel straight but adopt curved path. Materialistic curved rays of the Sun are spinning the Planets by creating thrust difference on half side which is facing the Sun.

Planet spin in the direction in which the Sun spins.

Information of dense gassy-shell, rather liquid gasses-shell over the Venus from the Internet June, 2011: Wikipedia, the free encyclopedia

The pressure found on Venus's surface is high enough that the carbon dioxide is technically no longer a gas, but a supercritical fluid..

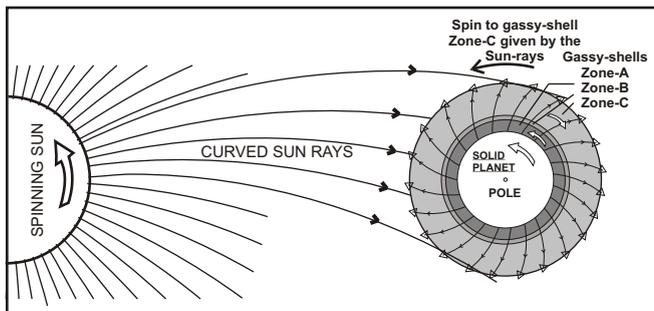
Materialistic-rays on entering into dense gassy zone-A bends towards the normal thus cause reverse-spin/torque-effect; with the result Venus spins retrograde (in reverse direction than the spin direction of the Sun). Gasses of zone-C spin (circulate) in the reverse direction than the spin-direction of the planet (Venus).

Spin direction of the gases of zone-C is in the direction in which the sun-rays intend to spin the upper less-dense gassy-shell. So, rays from the Venus and also from the Sun, spin (circulate) gassy-shell of zone-C in the same direction.

(2) Spin of the solid-planet and also of its gassy-shell by the materialistic-rays of the Sun.

(a) Gassy-shell of normal density, like the present Earth has.

Note: All other spin, spin-speed and spin-direction effecting causes have been ignored.

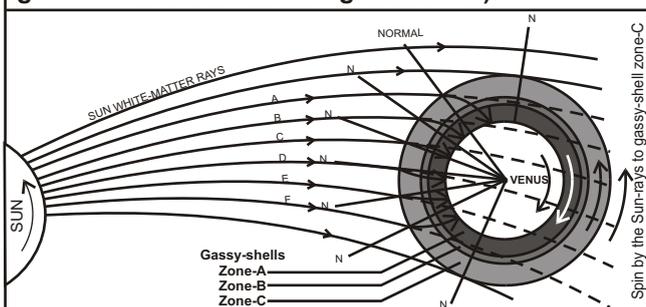


Gasses of gassy-shell zone-A spins in the direction in which the planet spins by its contact friction. Gasses of zone-C spins in the reverse direction by the materialistic-rays of the planet but Sun-rays intend to spin gasses of the zone-C in the opposite direction i.e., In the direction of the planet. This results in slow-spin to gassy shell of zone-C. Gasses of gassy-shell zone-B almost remain stationary because of opposite directions of spin by the gassy-shells of zone-A and zone-B.

(b) Spin by the gassy-shell of high density elements and also on being close to the Sun, like the planet 'Venus'

Note: All other spin, spin-speed and spin-direction effecting causes have been ignored.

How materialistic Sun-rays bend towards the normal on passing through denser atmosphere (zone-A) of the Venus? (Thrust factor by the rays de-shapes gasses shell that has been ignored here).



Information about spin-speed of gassy-shells of Venus at the surface and at the top. From Internet June, 2011: Wikipedia, the free encyclopedia.

Atmosphere of Venus

The atmosphere is in a state of vigorous circulation and super-rotation. The whole atmosphere circles the planet in just four Earth days, much faster than the planet's sidereal day of 243 days. The winds supporting super-rotation blow as fast as 100 m/s (~220 mph). Winds move at up to 60 times the speed of the planet's rotation, while Earth's fastest winds are only 10% to 20% rotation speed.....

Troposphere

At the furnace-like surface the winds are slow, but at the top of the troposphere the temperature and pressure reaches Earth-like levels and clouds pick up speed to 100 m/s.....

Circulation

Venus's wind speeds can be directly measured only in the upper troposphere (tropopause), between 60–70 km.....

The linear wind speeds at this level are about 100 ± 10 m/s at lower than 50° latitude. They are retrograde in the sense that they blow in the direction of the retrograde rotation of the planet. The winds quickly decrease towards the higher latitudes, eventually reaching zero at the poles. Such strong cloud-top winds cause a phenomenon known as the super-rotation of the atmosphere. In other words, these high-speed winds circle the whole planet faster than the planet itself rotates..... The winds near the surface of Venus are much slower than that on Earth.....

- Venus has 92 times denser atmosphere than the Earth, whereas diameter of both the planets is not of much difference.

- **Rays spin the gases:** Radiated/generated materialistic-rays of the Earth are of very low magnitude as compared to the Venus and also Sun-rays over the gassy-shell of Earth are of low intensity as compared to over the gassy-shell of Venus.

- Materialistic-rays of the earth and Materialistic-rays of the Sun, spins the upper gassy-shell of the Earth in the opposite direction, thus spin-speed of upper gassy-shell of the Earth is slow whereas materialistic-rays of the Venus and also of the Sun, spins the upper gassy-shell of the Venus in the same direction. This results in high spin-speed of upper gassy-shell of Venus.

Conclusion: These all factors results for very high spin speed of the upper gassy-shell of Venus, whereas solid-Venus spins very slowly by the friction factors as stated under the relevant chapter.

(c) Spin (circulation) by the liquid gasses-shell and gassy-shell of a planet:

Note: All other spin, spin-speed and spin-direction effecting causes have been ignored.

If the planet exists very near the Sun/star, spin by the gassy-shell and liquid gassy-shell would be similar to spin of the Venus but if such gassy-shells over a planet exists far off like planet Jupiter and other gassy-planets then spin would have a change.

At far off, effect over the said gassy planets by the Sun by its gravity and materialistic-rays would be feeble. Resistance by the medium (white-matter) of solar-space would also be very much less as explained under the relevant chapter. Gassy-planets generate their own energy (materialistic-rays) besides getting energy (materialistic-rays) from the Sun to radiate. Said factors results for fast spin by the gassy-planets and also by their gassy-shell and liquid gasses-shell. Spin-direction of gassy-shell, liquid gasses-shell and also of the solid-core (planet) can be understood from the explanation given under said information.

Circulation of Earth's atmosphere:

Spin (circulation) of the atmosphere of the Earth does not seem to adopt the said discovered reason, though it is true. This all is because circulation of air over the Earth depends upon a numbers of other factors too, like ocean (water), snow, mountains, life and vegetation and planet has the tilt to create climatic changes. Besides this Earth has a satellite (Moon) to disturb the system.



SUB-PART-3

Affect to spin of the gassy-shell and liquid gasses-shell by the strong thrust of the Sun-rays:

Planets, which are very close to the Sun face high thrust by the solar-wind (solid-ejects and materialistic-rays). Strong thrust of Sun-rays has blown off much of the gasses from the planet 'Mercury'.

Strong gravity of the Venus has been able to hold thick and dense gassy-shell. Thrust of Sun-rays has de-shaped spherical gassy-shell of the Venus to shape of an egg by keeping large curvature side towards the Sun.

This factor is disturbing spin of the gassy-shell over the Venus.



SUB-PART-4

Affect to spin of the gassy-shell and liquid gasses-shell by the strong gravity of the Sun:

Planet 'Venus' is the only planet, which faces this factor. Strong gravity of the Sun has pull over the dense gas elements with greater magnitude. Thus, densest gas-elements among other lighter gas-elements always face the Sun or intend to be there, while other elements of the gassy-shell spin. This cause forms disc (pocket) of densest gas elements, which restricts spin-speed of the gassy-shell, particularly the shell of gasses which is close to the solid-Venus surface.



SUB-PART-5

What the World (Experts) knows about the spin, spin-speed and spin direction of the gassy-shells over a planet is correct? That all is wrong and false as explained:

What the World knows, that has been exhibited below in flash-form.

(a) Circulation of gasses over the planet 'Venus'.

<p>Information from Internet June, 2011: Wikipedia, the free encyclopedia</p> <p>Circulation</p> <p>All winds on Venus are ultimately driven by convection. Hot air rises in the equatorial zone, where solar heating is concentrated, and flows to the poles. Such an almost-planetwide overturning of the troposphere is called Hadley circulation.....</p>

Because motion/circulation by the wind is by the materialistic rays of the planet and also by the Sun, which has highest effect over the equator; so fast wind always blow over the equator with zero-speed over the poles. This fact is not by the reason as understood by the World (Experts) as exhibited above.

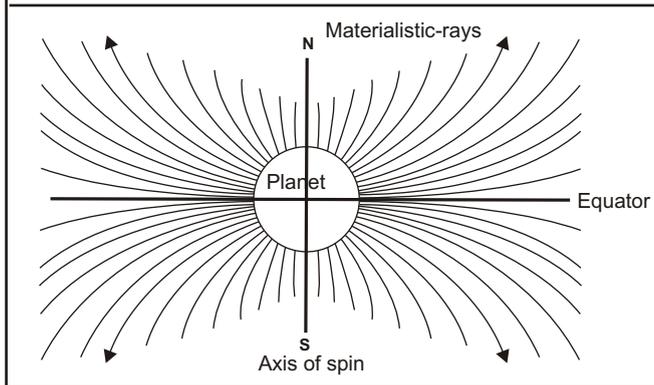
(b) Circulation of gases (atmosphere) over the planet 'Earth':

Hadley-cell atmosphere circulation ideology and the pattern of atmosphere circulation based over the fact by the thrust of materialistic-rays coming out of the planet:

Scientists themselves admit that understanding of the atmosphere circulation based over Hadley-cell is merely an idea but not the fact. Challenger has proved this idea as wrong and false by understood/ discovered fact that atmosphere/gassy-shell circulation is by the thrust of materialistic-rays coming out of the planet. Besides this, materialistic-rays from the Sun too affect the atmosphere/gassy-shell circulation (Subject to disturbance in circulation by the other factors as already stated). Sketch of atmosphere circulation over a planet (Earth) taken from the Internet has been exhibited below along with sketch by the Challenger over the pattern of materialistic-rays coming out of the planet, when it is viewed from the equator plane of the planet.

<p>Sketch atmosphere circulation by the idealised Hadley-cell. Internet June, 2011</p> <p>Circulation Main article: Atmospheric circulation</p> <p>An idealised view of three large circulation cells. Atmospheric circulation is the large-scale movement of air through the troposphere, and the means (with ocean circulation) by which heat is distributed around the Earth. The large-scale structure of the atmospheric circulation varies from year to year, but the basic structure remains fairly constant as it is determined by the Earth's rotation rate and the difference in solar radiation between the equator and poles.</p> <p>An idealised view of three large circulation cells.</p>
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Sketch of pattern of materialistic-rays coming out of the spinning-planet, when it is viewed from the equator plane of the planet.



If the planet was not spinning; intensity of materialistic-rays coming out of the planet would be uniform at every point and direction would be straight but the planet spins. Materialistic-rays coming out of the spinning-planet have highest intensity at the equator and intensity keep on decreasing gradually towards the poles. Elevation of materialistic-rays keeps on increasing from the equator towards the poles as shown over the sketch.

Said information, though in brief but confirms that atmosphere/gassy-shell circulation is by the prime factor of thrust by the materialistic-rays of the planet and also by the Sun over the gas-molecules (gassy-shell).

(c) Relation between 'spin-speed and spin-direction of a planet' and 'circulation-speed and circulation-direction of its gassy-shell (atmosphere)':

- Experts understand that spin-speed and spin-direction of a planet effects circulation-speed and circulation-direction of its gassy-shell (atmosphere). It is correct but because of secondary reason.
- Similarly they also understand that circulation-speed and circulation-direction of gassy-shell (atmosphere) affects the spin-speed and spin-direction of the planet. **OR in other words, if circulation-direction of a planet is reversed, it would reverse the spin-direction of the planet.** Here the Experts are absolutely wrong. By doing so, planet would not reverse its spin-direction because spin-direction is governed by the factors as stated under the relevant chapters(s).

In true sense, what has been understood by the Experts, that is secondary factor; whereas the primary factor of spin-speed/spin-direction of a planet and circulation-speed/circulation-direction of the gassy-shell is by the thrust of materialistic-rays of the planet and also of the Sun.



SUB-PART-6

Conclusion:

Spin of gassy-shell and liquid gasses-shell is by the materialistic-rays of the Sun and also of the planet and also governed by a number of other factors. For example: (i) Tilt of spin axis (ii) Oceans/water (iii) Snow (iv) Mountains (v) Hot and cold regions (vi) Life and vegetation (vii) Distance of the planet from the Sun (viii) Size, mass, density volume etc of the planet (ix) Its satellite(s) (x) Effect by the gravity of nearby planet(s).

PART-F

Function of the galactic-bar in the galaxy disapproves World's existing understanding over the solar/planetary system that the planets orbit around the Sun by balancing gravity with the centrifugal-force:

GALAXY: Why central massive stars of the galaxy by forming galactic-bar orbit around an imaginary-dot?

This set-up of the stars (SUNs) by the Nature disapproves World's understanding over the working mechanism of solar/ planetary system and puts approval stamp over the Challenger's claimed discovery.

World: Planet orbit around the Sun by balancing centrifugal force (because of their move) with the gravity of the Sun and the planet.

Challenger:

It is the materialistic light/rays which act to perform working/functioning of the solar/planetary system as illustrated under the relevant chapter(s).

Central massive stars (SUNs) of the galaxy result to form galactic-bar and all the stars (SUNs) of the galactic-bar orbit around an imaginary-dot. 'Imaginary-dot' has absolute zero gravity; then which factor keeps the stars (SUNs) orbiting around this imaginary-dot? It is the materialistic light/rays of the central stars (SUNs) which keep a star (SUN) away from the other stars (SUNs) and also it is the materialistic rays from the spinning star (SUN) which provide push-force to move the star(s) in orbit around an imaginary-dot. On getting orbital move by the rays of nearby star, orbiting-star develops centrifugal force; centrifugal force takes the orbiting-star more away from the imaginary-dot to make wider-orbit.

Working mechanism of the Galaxy, particularly of the central massive stars (SUNs) confirms that it is the materialistic rays of the SUNs (heavenly bodies) and their gravity which result to make the solar/planetary and galaxy system workable. This all about galaxies has been illustrated under chapter No.21 (Galaxies).

