

Unique Research
beyond the purview of Modern-
Science and traditional mind-set
Researchers/Scientists.

**DISCOVERY INFORMATION AND CHALLENGE
OVER SUBJECTS
ASTRONOMY (BASICS) AND PHYSICS (LIGHT/RAYS)**

FLASH INFORMATION OF MATERIALISTIC UNIVERSE

(Discovery in shortest possible flash form; an eye opener information.)

WORLD CHALLENGED (JULY, 2007)

over wrong/false knowledge with the World about some basics of
Astronomy and Light/Rays. (Resulting to re-write the said subjects).

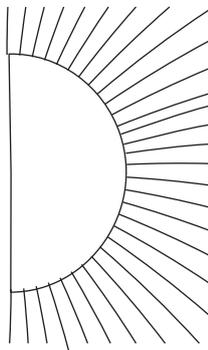
BY RAMESH VARMA

**Flash Discovery Information
over the next pages:**

Some very important highlights of the discovery/ understandings:

PART-1: Working mechanism of solar-system/celestial-bodies:

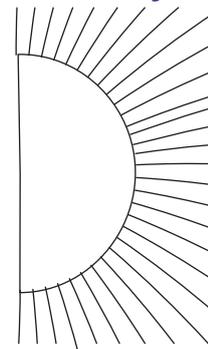
1. Where has the lost mass of the Stars/Sun gone?



Trillions and trillions and trillions..... Stars are losing their mass from 14 billion years by the generation and release of light/rays particles, Star wind-particles and solar-wind particles and also by the material ejection from the volcanic like eruptions. This lost mass by the stars has not vanished but it is in the space (Universe). It is Universal truth that Universe has a constant mass. This fact concludes and proves that light/rays are not merely a form of the energy but are also a state of the matter (called white-matter) OR Light/rays are a state of the matter which acts as energy under specific conditions.

Proof: Under chapter: STATES OF THE MATTER

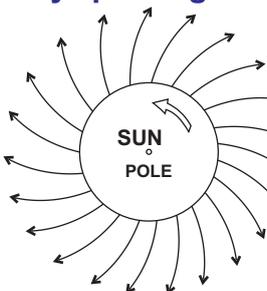
2. Rays are materialistic:



Above said fact stated under SI.1 has confirmed that light/rays are a state of the matter thus rays are materialistic.

Proof: Under chapter: STATES OF THE MATTER

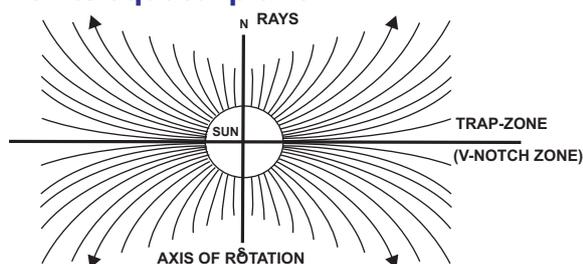
3. Materialistic rays on emerging from any spinning body adopt curved path:



Materialistic rays on leaving any big/celestial body do not leave the body stationary but give it a torque force to spin. Further, materialistic-rays on emerging from any spinning celestial body do not travel straight but adopt a curved path. (Pattern of rays as seen from above the pole of Sun/Star or any spinning celestial body).

Explanation: Under chapter: STATES OF THE MATTER

4. Materialistic rays form a trap-zone over its equator plane:



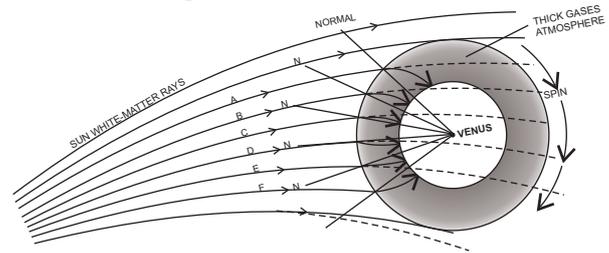
(Pattern of rays as viewed from equator plane).

Materialistic curved rays form a mirror-reflection-image pattern over its equator-plane. This pattern of rays traps matter/objects/bodies in this flat plane.

Explanation: Under chapter: STATES OF THE MATTER

MATERIALISTIC UNIVERSE (Preliminary-2) By Ramesh Varma (India)

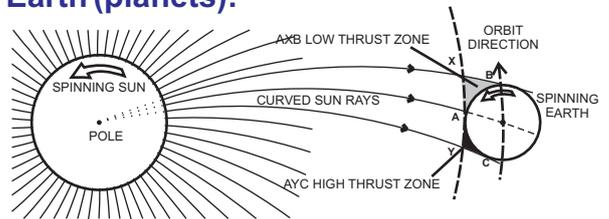
5. Materialistic curved rays spin Venus retrograde:



Materialistic curved sun-rays are spinning the Venus in retrograde (Reverse) direction because rays on their entry to denser medium bend towards normal. (Venus has ninety times denser atmosphere than the Earth).

How? Read in brief under: TEN QUERIES.

6. Materialistic curved rays spin the Earth (planets):



Materialistic curved rays of the Sun are spinning the Earth (Planets) by creating thrust difference on half side which is facing the Sun. Rays from the Earth (planets) too spin it.

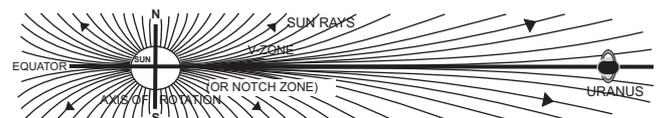
How? Read in brief under: TEN QUERIES.

7. The reason of slow spin by the planets (Mercury & Venus) has proved World's speculation wrong over the spin of the planets:

Planets Mercury and Venus spin very slowly because of friction/retardation caused to their spin by the disc formed of densest molten mass in the molten core which always faces the Sun; then how Mercury and Venus are spinning by the conservation of angular momentum from millions years without any internal or external power for their spin?

Challenger: Planets spin by the materialistic curved rays of the Sun and also by the planets.

8. Materialistic rays spin the Uranus with tilted axis parallel to its orbital plane because of unique shape of its solid core:

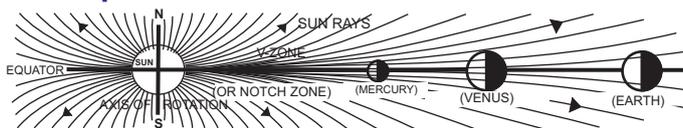


Uranus spins with its axis almost parallel to equatorial-plane of the Sun because of a specific shape (prolate-spheroid) of its solid core formed by clubbing (mild-collision) of two past-era planets, which (core) can not adopt any other position by the V-Notch formed by the Sun-rays over its (Sun's) equatorial plane. (Shape of the solid core is similar to; two hemispheres having in between a flat disc or two closely touching planets).

How? Read in brief under: TEN QUERIES.

Website: www.newtonugeam.com

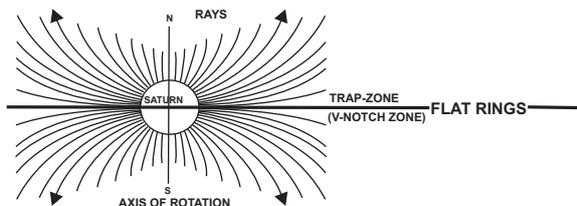
9. Materialistic rays keep planets over a flat plane:



Materialistic curved rays from the Sun are keeping all the planets over a flat plane by forming a trap-zone over its equator-plane.

How? Read in brief under: TEN QUERIES.

10. Materialistic rays form flat rings by trapping particles over its trap zone:

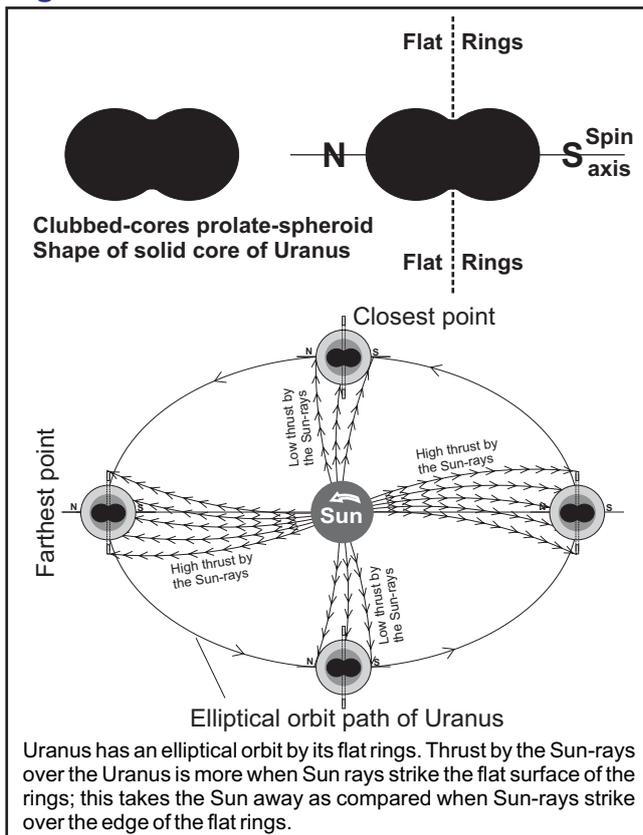


Challenger: Materialistic curved rays are arranging matter around Saturn (any planet which radiates more rays or energy than it receives from the Sun) in the form of flat-rings over trap-zone plane.

Note: The fact that the planets arrange flat rings over their equator plane which radiates more energy (materialistic rays) than they receive from the Sun is applicable not only to the known planets (Jupiter, Saturn, Uranus and Neptune) but it is a Universal Astronomy law. Our Sun receives less energy (rays) from the central clubbed stars of our galaxy that is why our Sun had flat disc of the material from which now all the planets and objects have been formed. At present our Sun has its family over a flat disc because of the said reason. Further central clubbed stars which have formed galactic-bar are able to arrange mass of the galaxy in the shape of a disc because, they are releasing more energy (rays) than they are getting from the space.

How? Read in brief under: TEN QUERIES.

11. Materialistic rays form elliptical orbit of the Uranus because of its flat rings:

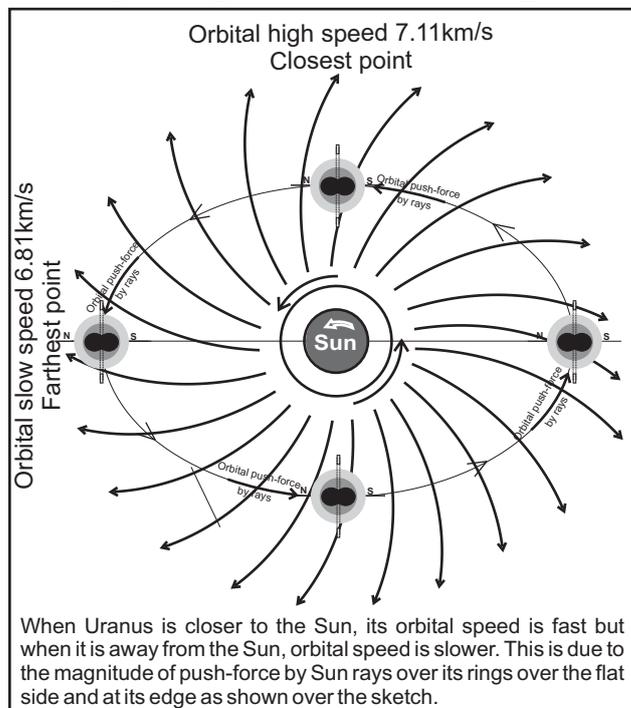


Uranus has an elliptical orbit by its flat rings. Thrust by the Sun-rays over the Uranus is more when Sun rays strike the flat surface of the rings; this takes the Sun away as compared when Sun-rays strike over the edge of the flat rings.

It is the thrust of materialistic Sun-rays, which have formed elliptical orbit of the Uranus by the reason of its flat-rings. Flat ring(s) of the Uranus when faces its edge towards the Sun it is closest to the Sun by the least thrust from Sun-rays. When flat side of the flat-ring(s) faces the Sun-rays, Sun-rays are drifting the Uranus away from the Sun by their great thrust.

How? Read under chapter: URANUS

12. Uranus has variable orbital speed because of the thrust by the Sun-rays from spinning-Sun over its flat rings.



When Uranus is closer to the Sun, its orbital speed is fast but when it is away from the Sun, orbital speed is slower. This is due to the magnitude of push-force by Sun rays over its rings over the flat side and at its edge as shown over the sketch.

Uranus has variable orbital speeds. Minimum orbital speed 6.49km/s; maximum orbital speed 7.11km/s thus has mean orbital speed 6.81km/s. Orbital motion of the Uranus is slower when it is away from the Sun because the Sun-rays which are responsible for its orbital motion are weaker at far off position. Besides weaker sun rays, Sun rays which are responsible for the orbital motion are striking at the edge of the rings, thus putting less thrust force over the Uranus but whereas when the Uranus is near the Sun, Sun-rays are striking at the flat side of the rings thus making its orbital motion speed more than when Uranus is at far-off point.

How? Read under chapter: URANUS

13. By ignoring rays' thrust factor; densities calculated of all the celestial bodies by the World are wrong:

Challenger: Densities calculated (but not measured) of all the celestial bodies are wrong because World had/has ignored three factors:

- (i) Rays' thrust/repulsion factor which keeps the body further away other than centrifugal force.
- (ii) Push force factor to a body by the rays, which results for its orbital motion and speed.
- (iii) Magnitude of rays' thrust over a body based over its mass, density, surface area ratio factor.

For Example: Planet Mercury in fact has much more density than Venus and Earth, that is why being of small size it is closer to the Sun in spite of high thrust over it by the Sun rays. (World must measure gravity thus density of Mercury by landing device over its surface).

Read in brief under: TEN QUERIES.

PART-2: Discovered/Understood true working mechanism of solar-system:

World: The reasons/answers, which the World knows/understands to the following queries related to solar-system that all are based over wrong/false, rather foolish understandings/speculations (not said but proved foolish).

Challenger: It is the discovered/understood unique property of the light/rays, which has resulted to understand true working mechanism of solar/planetary system and vice versa. Answers to the following few queries in brief are over chapter: **TEN QUERIES** but with illustration over related chapters of **MATERIALISTIC UNIVERSE**.

Below are some highlights in brief:

1. What is spinning the Sun and the planets?

Answer: Materialistic curved rays put back thrust (torque force) on leaving the Sun (or any celestial body) resulting to give it spin. Further, curved-rays from the Sun while at strike over the celestial-body forms two zones; half zone with high thrust as compared with the another resulting to give a spin to the body. Both the force factors (by the Sun and planets it self) act to spin in the same direction. Any celestial body also spins by its own radiated and generated rays.

2. What is keeping the planets over a flat plane passing through the equator-plane of the Sun?

Answer: Materialistic curved rays on emerging from the spinning Sun forms a mirror-reflection-image pattern over its equatorial-plane; this develops a V-notch of the rays. All objects (family of the Sun) have to be in this V-notch zone or trap-zone. Any fragment of the body if moves to any other direction by the collision factor, that has to fall again in this trap-zone (space over the Poles is the least effected zones).

3. What is forcing the planets to move in an orbit around the Sun?

Answer: Curved rays on emerging from the spinning Sun act as fine spokes/bristles of a moving wheel, which on strike provide orbital motion (like push to ball by hockey-stick) to the planets. Planets too adopt orbital motion by their own rays by the **reflex-action** (in an attempt to force the Sun to orbit the planet) as illustrated.

4. What is keeping the planets away from the Sun?

Answer: Materialistic curved rays act as repulsion rays, like rays of the magnets of the same poles. Besides this factor, rays on emerging from spinning Sun act as fine spokes/bristles of a moving wheel to give push to the body; this act generates semi-centrifugal force on moving the body in an orbit. Both the factors besides a third reflex-factor of the planet it self as illustrated keeps the planets away from the Sun.

5. SEQUENCE OF THE PLANETS (OBJECTS)

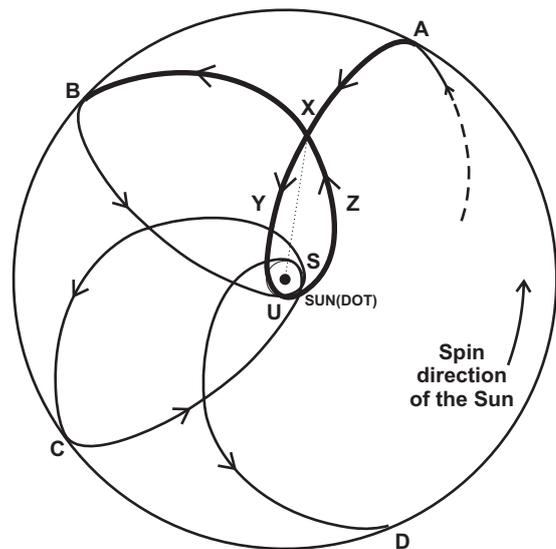
FROM THE SUN: Sequence of the planets/objects because of thrust by the Sun rays depends upon numbers of other factors.

- Its mass
- Its density
- Its shape
- Its volume
- Intensity of rays emitted (radiated/generated) by the planets (objects).

Explanation is under the relevant chapters.

6. COMET: General and simple comet-loop-track sketch is shown as below. There are some other types of loop tracks too.

COMET-LOOP-TRACK (PATH-AUB)



- **Because of the reasons explained under the relevant chapters, comet does not orbit in elliptical orbit i.e., It does not reach at the same point from where it started its journey. It moves in a loop-track.**

- Nucleus of the comet is formed of the extremely dense matter of the solar-system.

- A small comet becomes the great comet on its repeated visits by adding mass (solar-wind particles) to the nucleus. (Solar-wind particles are the extremely dense matter).

- Comet for its return journey does not require gravity influence or any star or of the planets. It starts its journey by the addition of mass (Dust, ice or of any objects). Influence by the gravity of any star/planet can trigger its move early.

- Repulsion factor of White-matter rays' particles of the planets and also of the comet prevent collision of the comet with the planets. This repulsion factor of the rays makes chances rare in thousands and thousands visits of the comets, where collision of a comet can take place with any planet. Had there been no such-repelling by the rays, comets would have been colliding to disturb every planet within a century. We may not be having our Earth and life like this.

Illustration is under the relevant chapter.

PART-3: Miscellaneous:

1. DARK MATTER: Physicists have speculated dark-matter in the galaxy and space; though matter other than the visible-matter exists in the galaxies/space without any doubt but why the Physicists have not been able to find it? Read under chapter: **DARK MATTER**.

2. What is resulting natural cycle of Ice-age and Hot-age over only one planet i.e., Earth? (Not Global-warming by the human):

Answer: It is the life (moving and vegetation) over the Earth by the factors (Gases and water/ice/snow) is causing cycle of Ice-age and Hot-age. If there was no life on the Earth; gases and water/ice/snow could not have caused Ice-age and Hot-age cycle. How? Read under chapter: **GLOBAL-WARMING AND ICE-AGE/HOT-AGE CYCLE**.

MOON

PART-4: A little about the Moon:

Much more have been discovered/understood and almost all queries/riddles pertaining to the Moon have been solved. Explanation is under the chapter: **MOON** but here only a part of the explanation has been exhibited.

Among so many, some queries/riddles about the Moon, which have been solved are as under:

- **Why orbital plane of the Moon does not coincide with the equatorial plane of the Earth?** World has not yet conceived this query because they have not yet understood unique property of light/rays.
- **Why are the volcanic eruptions and maria over the Moon concentrated on the side near to the Earth or facing the Earth?** Riddle solved by understanding the rays' factor.
- **Why meteors which strike Moon had some pattern according to these sizes?** Riddle solved by understanding gravity and the rays' factor.
- **What causes mysterious quakes that vibrate through lunar rocks over the side of Moon which is away from the Earth?** Riddle solved with the experiment in brain by the factor of Earth's gravity over the stationary (non-spinning) Moon.
- **Does Moon have water?** No; Moon could not have liquid water like Earth has even at its colder sides due to higher gravity of the Earth and because of stationary (non-spinning) Moon situation; it may have water in the form of ice at the permanent colder regions. (Traces of water or hydroxyl over the Moon is a different subject).
- **Is tidal-bulge-lock over the Moon due to the gravity (pull) of the Earth and vice versa?** World has understood the secondary reason but not the primary. Primary reason is the rays of the Venus because Venus spins in the retrograde direction. Venus rays intend to spin the Moon in the reverse direction than in which the Earth's rays intend to spin the Moon. Thus
- **Is tidal friction of the Moon responsible for continuous slowing and slowing spin-speed of the Earth?** No. World has wrong understanding; Earth is slowing its rotation due to some other factors not yet known to the World.
- **Why the Moon always faces the same side towards the Earth?** World has understood the secondary reason but not the primary.
- **Why is the Moon's dense core off the centre?** World has understood the secondary reason but not the primary.
- **Is density calculated of the Moon correct?** Not correct because World has ignored rays thrust/repelling factor.

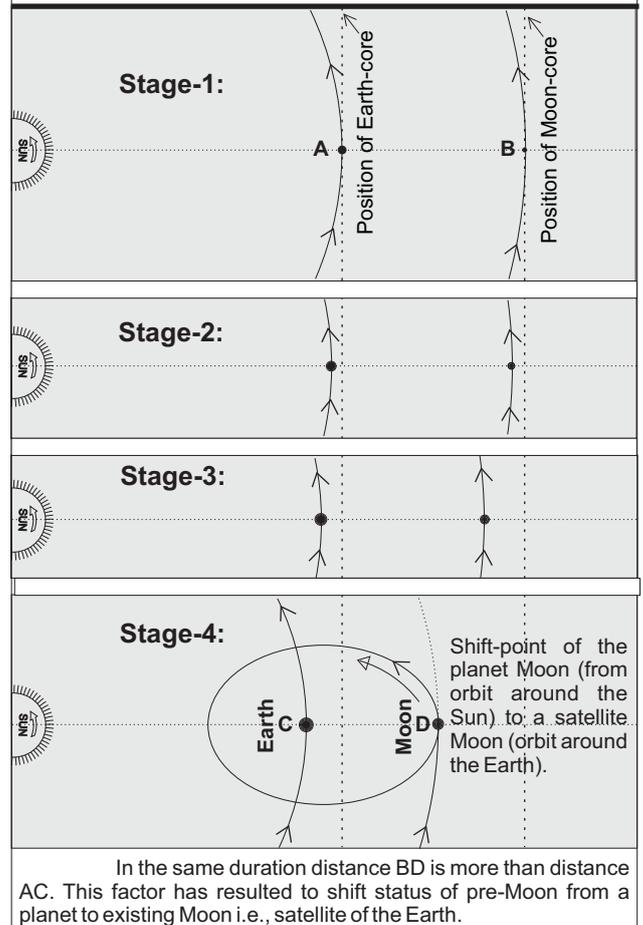
Origin of the Moon:

How Moon originated?

Moon has been formed which was once a small-planet behind the young-Earth (or small-Earth). During that period all the planets were growing at faster rate than the present. On growth they all were marching towards the Sun. Core of the Moon might be the out come of the mass formed by the collision of two big planets which (Big planets) existed before the formation of small-Earth and core of Moon **OR** Moon-core might have been developed like other planets **OR** Moon-core was the sister-core of Earth-core. What so ever was the truth, Moon-core was a small planet following a big planet (Earth). Moon-core on its growth marched at faster rate towards the Sun than the Earth; resulting to develop a stage that the following planet (Moon) de-railed from the orbital-track around the Sun to orbital-track around the Earth as stated and illustrated with some sketches ahead. (By the addition of same quantity of mass, planet/object which is away from the Sun, moves faster towards the Sun because of the reasons as explained under the relevant chapters).

How Earth got its satellite (Moon)?

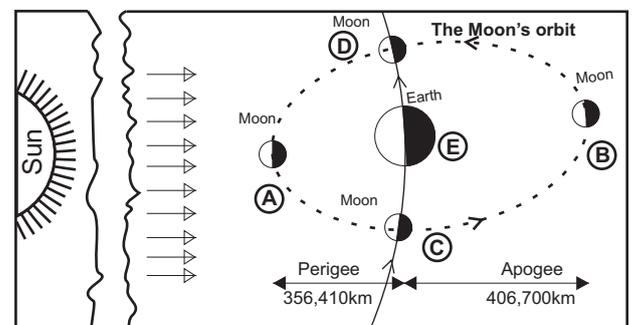
Dark black points are the cores of the Earth and Moon; whereas shell (seen as rings) over the cores are the deposit of mantle resulting to their (Earth and Moon) growth in size. On growth both, Earth and the following body (Moon) moved toward the Sun.....



Conclusion:

- Moon (small-Moon or core-Moon) was once a following planet of Earth (small-Earth or Earth-core):
- Much more is over the Internet/CD.....

Why Moon is closer to the Earth when it is closer to the Sun and further away when away from the Sun?



WORLD:

World has measured that when Moon is closer to the Sun, it is closer to the Earth and when it is farthest from the Sun, it is further away from the Earth.

AUTHOR/CHALLENGER:

This phenomenon is due to the Sun's materialistic-rays. Sun's materialistic-rays put a thrust over the Moon to make its orbit eccentric to the Earth. This all results by the Sun rays to push the Moon towards the Earth when the Moon is in between the Sun and Earth and Sun-rays push the Moon away from the Earth when Moon is away from the Sun. Pushing/thrusting force over the Moon by the Sun rays is greater than the push/thrust force by the Sun rays over the Earth because Moon is of small size than the Earth and also Moon has less mean density than the Earth. This factor besides some other factors results so.

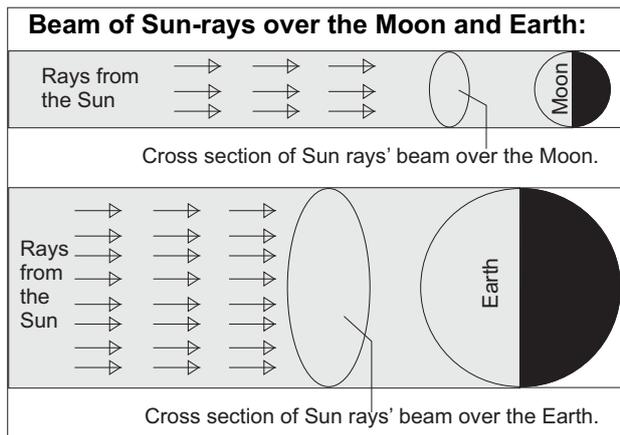
Comparison of thrust magnitude of the Sun rays over the Moon and the Earth to understand orbit of the Moon:

Note: For easy understanding, in below stated explanation, repelling thrust by the rays of the Moon and the Earth has been ignored, only rays by the Sun has been taken into account.

Sun-rays give thrust to the Moon and the Earth in two directions; hit to a ball like foot-ball and also like a push to ball by the hockey stick. Forward moving materialistic Sun-rays give repelling thrust like foot-ball "(to keep the bodies away) but whereas the same Sun-rays because of emerging from the spinning-Sun give push-thrust to bodies like hockey stick (to provide move in the orbit).

Moon is of small size than the Earth and also Moon has low mean density than the Earth thus magnitude of the thrust by the Sun rays over the Moon would be greater than the Earth. If Moon is snatched from the Earth and put before the Sun in its orbit by keeping the Earth away from solar system; Moon would be thrust far away and would be near to the Mars. And if the Moon is taken away by keeping the Earth in solar orbit; Earth would adopt slightly bigger orbit because of its reduced mass (Moon is the part of Earth and Earth is the Part of the Moon). Greater thrust by the Sun rays over the Moon is due to the fact (surface area, mass, density ratio). This can be understood as stated below: (Here in brief but explained under the relevant chapter).

Note: Diameter of the Moon and the Earth calculated by the World are correct; it is only the mean density calculated of all the solar (heavenly) bodies is wrong because of ignored factor (Thrust and repelling force by the rays). But for comparison purpose that too only for comparison purpose between the two particular bodies i.e., the Moon and the Earth, wrong density calculated would pose no problem because Moon has lower density than the Earth in reality and also by the wrong calculation.



- Moon's diameter is 27% of the diameter of the Earth (In other words, if diameter of the Moon is 27 diameter units then the Earth is of 100 diameter units)
- Moon's mass is 1/81 of the Earth (in other words if Moon has mass of 1 mass unit then Earth has 81 mass units.
- From this data, calculated cross sections of the Sun beam rays which is thrusting the Moon and the Earth are as below.

Moon: $22 \times 7 \times (27+2)^2 = 572.78$ say 573 square area units.
 Earth: $22 \times 7 \times (100+2)^2 = 7857.14$ say 7857 square area units.
 • Consider: 1 square unit of rays' beam area = 1 thrust unit.

Thrust factor calculation:

573 square units area of the Sun rays has to thrust 1 mass

unit of the Moon but whereas 7857 square units area of the Sun rays has to thrust 81 mass units of the Earth. **(Or in other words 1 mass unit of the Moon will have Sun rays thrust of 573 thrust units but whereas 1 mass unit of the Earth would have Sun rays thrust of only $7857 \div 81 = 97$ thrust units, thus Moon would be pushed far of by the thrust of Sun rays than the Earth. (Moon is getting $573 \div 97 = 5.91$ i.e., six times greater thrust by the Sun rays than the Earth).**

Because of the stated fact, Moon is closer to the Earth when Moon is near the Sun and Moon is away from the Earth when Moon is away from the Sun by the thrust of Sun rays (like kick by the foot to foot-ball).

Thrust magnitude by the Sun rays for orbital move of the Moon and Earth: For orbital move by the Sun rays, gravity factor has ineffective role to play but whereas to keep the bodies away by the rays gravity factor plays the full role. Because of this fact, Sun rays' thrust factor works quite differently over the thrust which causes orbital movement to the planets/satellites/objects than the rays' thrust factor which keeps them away. To keep the bodies away, Sun rays thrust is more on the bodies which have small size but whereas to provide push to the bodies for their orbital move, thrust of the Sun rays is more over the big bodies than the small sized. (Stated fact is applicable over the bodies which have the same mean density).

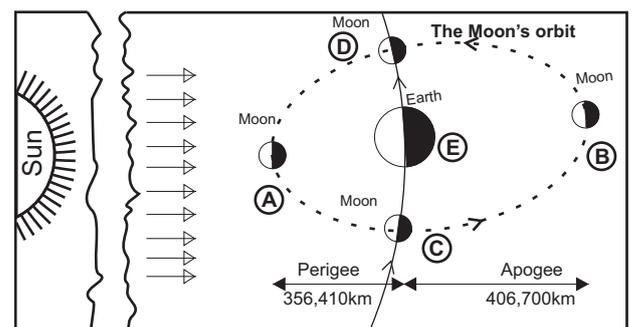
Is the Moon moving away from the Earth?

WORLD: World understands that the tidal bulge which Moon creates over the Earth is responsible for the Moon moving away from the Earth. Moon's orbit around the Earth is getting larger at the rate of 3.8 cm per year.

AUTHOR/CHALLENGER:

(A) Tidal bulge in no way seems to be responsible for the Moon to go far away from the Earth or Earth from the Moon. The reason for the Moon going away would be the expanding Universe. This Universe expansion is not only at far away in space. Its effects are over each and every body to its proportional distance. So this Universe expansion would be responsible for the increase in the distance of Moon from the Earth.

(B) Another reason of noticing by the Experts that the Moon is going away from the Earth would be the measurement of Apogee (or the distance EB). As the Earth moves ahead towards the Sun, Perigee would decrease but whereas Apogee will increase. This increase of Apogee may be the distance measured which has been understood that the Moon is going away from the Earth.



(C) Some other factors that can widen orbit of the Moon:

- Decrease in the mass or gravity of the Moon and Earth but whereas this factor is on the rise.
- Increase in the generation of rays by the Earth or Moon or by the both but whereas this factor is on the decline.
- Increase in the radiated rays of the Moon and the Earth or the both. This factor is also responsible for some widening of the orbit of the Moon as both the Moon and the Earth are going closer fraction by fraction towards the Sun thus both are radiating more and more rays with the passage of time.

Future of the Moon: Future of the Moon is vanishing by hitting the Earth at its critical approach of Perigee.

LIGHT/RAYS

PART4-A: Unique properties of light/rays:

Proofs of the understood/concluded **unique** property of the RAYS as stated below are over the chapter: STATES OF THE MATTER and also in brief over chapter: TEN-QUERIES.

But here some highlights in brief:

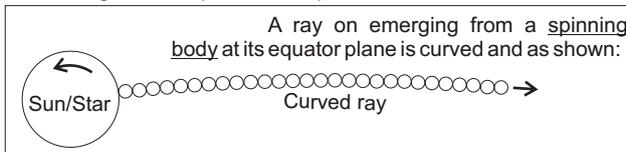
1. Sun/stars lose mass on releasing rays (energy) and mass of Universe is constant thus rays are not merely a form of the energy but rays are materialistic (a form of the matter) with additional property to act as energy under specific conditions.

2. Rays do not travel in wave-motion OR has dual personality of the wave like and also of the particle but it has only one specific property that it is materialistic and propagate in the form of particles (particles also have some unique property).

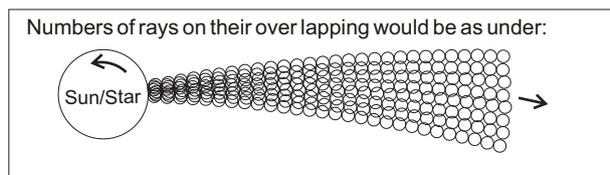
3. A ray of light of any kind is consisting of microest particles; all particles are closely touching each other to form a row or a ray.



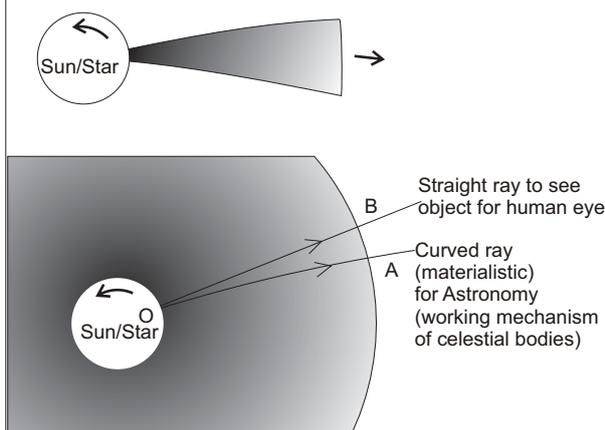
4. A ray consisting of materialistic microest spherical particles on its escape from any spinning celestial body does not travel straight but adopts a curved path.



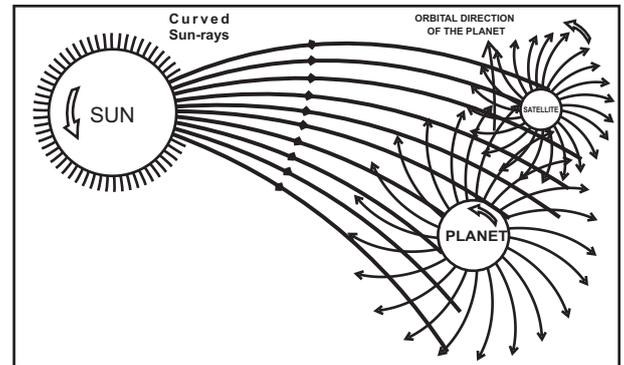
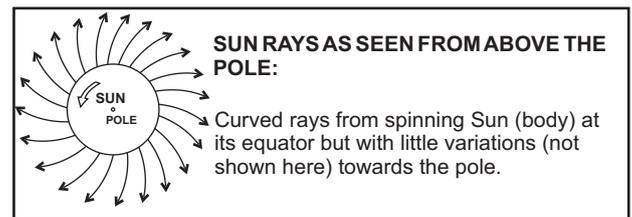
5. Particles of the rays are of spherical shape and have unique property to overlap and to shed overlapping to become dense or rarer on its propagation path.



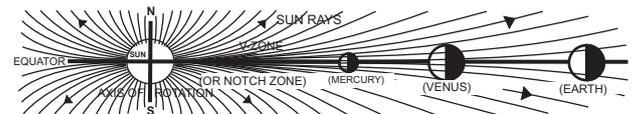
Note: For optical purposes this unique property of light/rays apparently results to notice that light/rays travel straight. To understand this property, rays should be understood in its microest form, similar to as shown over the sketch as under.



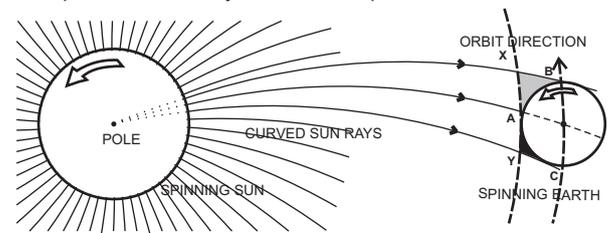
6. Curved materialistic rays on emerging from a spinning celestial body put torque thrust pressure on leaving the body and also on its strike over the adjacent and effective range bodies to give it a spin force.



7. Curved materialistic rays on emerging from spinning celestial body (Sun) form a mirror reflection image pattern over its equatorial plane to keep trap all its family thus the solar system is over a flat plane.



8. Curved materialistic rays act as fine bristles or like spokes of a moving wheel, which provide orbital motion like hockey-stick-push to bodies/objects over its trap-zone.



9. Movement of the bodies/objects over their orbital-paths by the thrust (push) of rays results for the centrifugal force which keeps the bodies/objects further away from the Sun than the planets/objects are being kept away from the Sun by the thrust/repelling-power of the rays of the Sun and planets/objects.

10. Thrust/push magnitude of the rays over the planets/objects on small-sized bodies is more than over the big bodies by the mass-density-surface area ratio factor.

Conclusion:

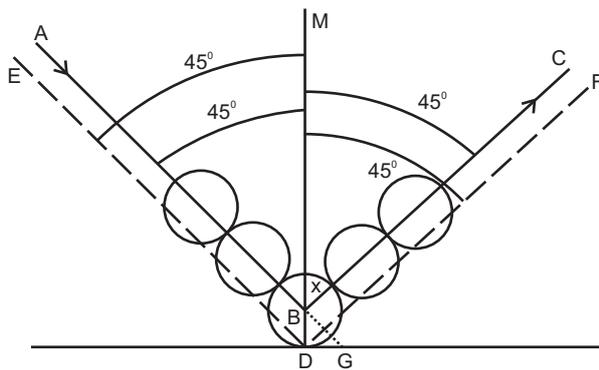
The said **unique** properties of the rays have been proved by understanding **true** working mechanism of solar/planetary system and correctly understanding the both (light/rays and solar-system) has further resulted to understand **true** working mechanism of the galaxies, black-holes and the Universe as whole.

PART4-B:

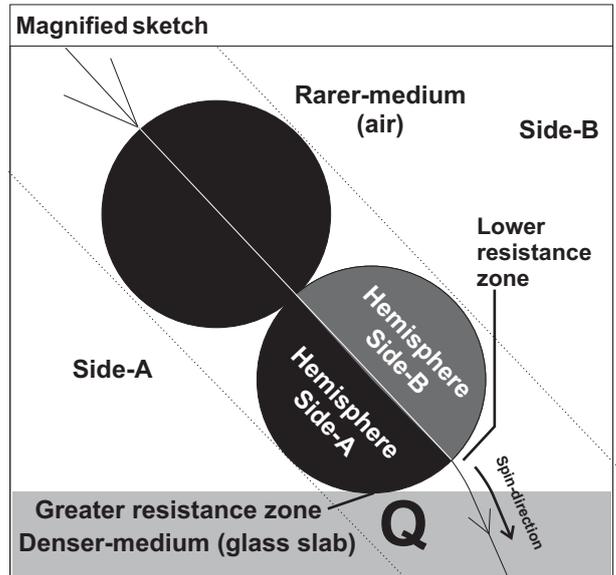
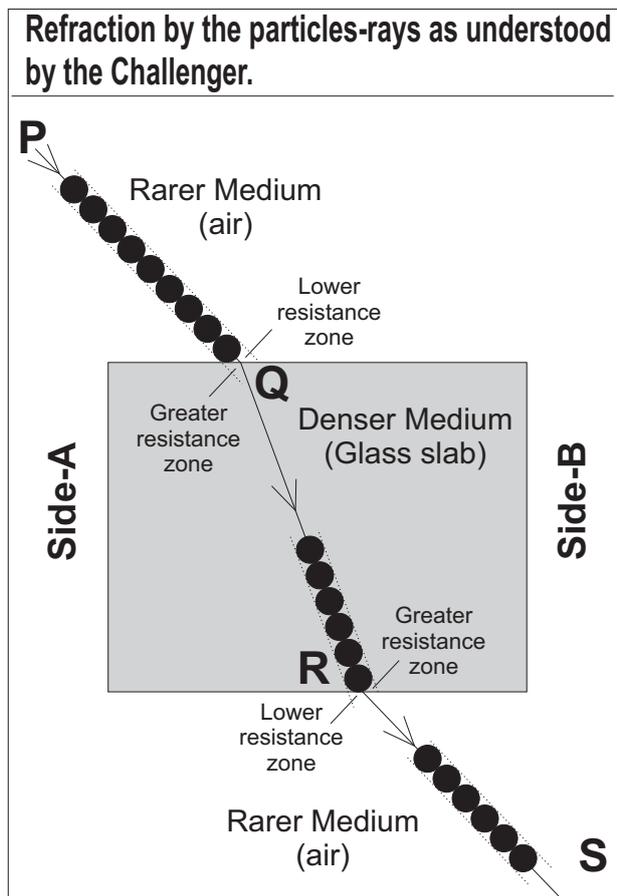
Understandings/proofs of unique properties of light/rays claimed by the Challenger:

Proofs over the discovered unique property of light/rays other than the proof understood by the working mechanism of solar/planetary system by the rays are over chapter: **STATES OF THE MATTER** but here some highlights in brief:

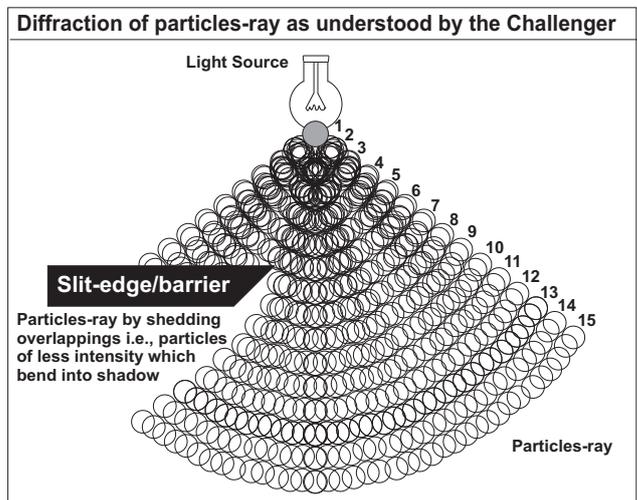
1. Reflection of rays consisting of microest spheres:
Here only sketch, explanation is under chapter: **States of the matter.**



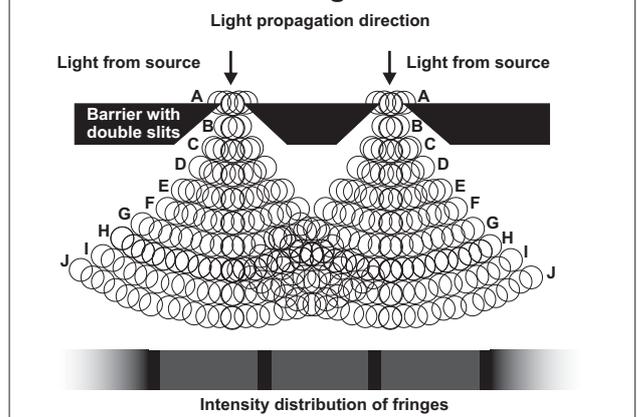
2. Refraction of rays consisting of microest spheres:
Here only sketch, explanation is under chapter: **States of the matter.**



3. Diffraction of rays consisting of microest spheres with its property to shed overlapping:
Here only sketch, explanation is under chapter: **States of the matter.**



Challenger:
Diffraction of particle-rays from two close narrow slits forms fringes:



4. Polarization of rays consisting of microest spheres:
Read explanation under chapter: **STATES OF THE MATTER**

5. Miscellaneous some other proofs and explanations are over chapter: STATES OF THE MATTER.

DISCOVERY IN SHORT (TEN QUERIES):

Discovery in brief: Queries and their answers over the challenged subjects.

Ten queries over unique property of light/rays and true working mechanism of solar/ planetary system.

A new co-related clubbed-discovery

pertaining to two subjects; Astronomy (basics) and Physics (light/rays).

- Discovered unique property of light/rays has resulted to understand correctly true working mechanism of solar/planetary system **OR** Discovered true working mechanism of solar/planetary system has resulted to understand correctly unique property of light/rays. However advance human may go in Science, human cannot develop laboratory anywhere over earth, underground, over sea-bed or any device or equipment to understand discovered unique property of light/rays. There is no mode other than what the Challenger has adopted to understand and to prove this unique discovered property of light/rays.

Fact:

- Both discoveries about unique property of light/rays and true working mechanism of solar/planetary system are co-related thus clubbed-discovery is understandable by the concerned, only by whom, who has knowledge over both the subjects (Astronomy and light/rays). To understand discovered unique properties of light/rays, one has to presume at initial stage that what the Challenger has concluded that is correct. After going through all the pages of **TEN-QUERIES** and **MATERIALISTIC UNIVERSE** the concerned reader can make out that what is the correct?

DISCOVERY IN SHORT (TEN QUERIES)

ATTENTION!

ALL CONCERNED: (Astronomers, Physicists, Space-Explorers, Science Professors/Teachers/Students/Ex-Students).

- Understanding of this unique property of light/rays and true working mechanism of solar/planetary and galaxy system has resulted to **rewrite** Astronomy and some chapters of Physics. To understand all this, there is no need to peep through telescope (for Astronomy) and microest-scope (for light/rays); any **intelligent** person who is matriculate or above in science can understand.

- Experts; please answer to yourself and also give answer to the Challenger for query No.10 (pertaining to Astronomy) **even before reading** what Challenger has discovered and illustrated.

World challenged (July 2007) over the said subjects (Astronomy and some basics of Physics over chapter 'light/rays').

Challenger: Ramesh Varma (Discovery declared on 7th April, 2007)



MAGNITUDE OF THE CHALLENGED DISCOVERY:

ASTRONOMY: Magnitude of challenged-discovery over Astronomy is thousand and thousand times greater than the observed discovery declared centuries ago that the earth is not flat but round (sphere). To accept this round-earth discovery, which now is understood as very simple, World-experts took centuries to understand. Imagine, how difficult is to make understand the concerned about the challenged-discovery which is resulting to rewrite 'Astronomy'?????

PHYSICS: Challenger in Nature's vast laboratory i.e., solar system has observed, discovered and understood correctly a unique property of light/rays, which so far no human made instrument of device could make him (human) understand. This correctly understood (discovered) unique property of light is going to reshape the World knowledge resulting to rewrite some chapters of physics.

- **Challenge** over website: www.newtonugeam.com

- **Here in brief** but **Illustration Over Internet Under Materialistic Universe (IOIUMU)**

- **Note:** Some facts have been repeated over some illustrations to retain links for making the contents understandable with ease. Further, different queries over the same subject can not be answered without repeating some facts/illustrations to retain links.

TEN QUERIES

Query-1: What spins the Sun and planets? Thrust by emerging/striking curved rays **OR** due to conservation of energy or because of pre-spin got at their formation.

Query-2: What keeps the bodies (Sun and planets or solar system) in a flat zone? The curved rays, because of a specific (mirror reflection/image) pattern formed over the plane passing through the equator of the Sun **OR** because of the flatten 'nebula' due to its fast rotation at the formation of solar system.

Query-3: What keeps the planets away from the Sun? 'Centrifugal force' **OR** 'thrust of curved rays' released by the Sun and planets **OR** both the factors.

OR

What keeps the moon away from the Earth? 'Centrifugal force' **OR** 'thrust of curved rays' released by Earth and Moon **OR** both the factors.

Query-4: What factors are responsible for the sequence of planets (distance from the Sun)? The thrust of curved rays along with factor 'surface area mass ratio' **OR** planets have been at their places because of their formation at these distances.

Query-5: What keeps the planets/satellites/ objects moving in an orbit? Push-force by the moving curved rays (moving like finest spokes of a spinning wheel) emerging from spinning body **OR** by the pre-move got at their formation.

Query-6: What tilts/tilted the axis of spin of the tilted-planets? Thrust of Sun rays and specific shape of tilted-body **OR** impact/collision of the planets (which tilted) with some objects/bodies.

Note before query-7: Challenger has concluded that it the curved rays which results to solar/planetary phenomenons.

Query-7: Why rays adopt a curved path and form a mirror reflection (image) pattern over the plane passing through the equator of the spinning body to result solar phenomenons?

Query-8: What do the rays do other than the said actions/phenomenons?

Query-9: How to perform practical/experiment over the said discovery?

Note before query-10: Query for getting answer from the Experts/ concerned.

Query-10: Why heavenly bodies/objects after getting impacts/collisions (even massive) have not left the plane of their formation; thus why all bodies are still in a plane even after billions of years?

—————★—————

Some very important discovered understandings over the following (Read under related chapters):

Solar ejects: All that the Sun ejects is a matter. This state of the matter plays prime and vital role in the working mechanism of solar/planetary system.

Galaxy:

- **What results to form Galactic-bar by the stars?**
- **What results to spin the Galactic-bar along with the galaxy-mass?**
- **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 based over unique property of light/rays.

Article: Seven enemies of earth?

Moon:

Almost all riddles, queries and open issues related to the Moon have been solved by understanding unique property of light/rays and true working mechanism of solar/planetary system.

A co-related clubbed discovery over two subjects: **Discovered unique property of light/rays AND true working mechanism of solar/planetary and galaxy system (Galaxy under chapter No.21).**

Note: Understandable by the concerned, only by whom, who has knowledge over both the subjects (Astronomy and light/rays).

(A) How to prove that unique property of light/rays which has been discovered/claimed by the Challenger is true and correct?

How the Challenger got proof that what he has discovered about the unique property of light/rays is correct?

- However advance human may go in Science, human cannot develop laboratory anywhere over earth, underground, over sea-bed or any device or equipment to understand discovered unique property of light/rays. **There is no mode other than what the Challenger has adopted to understand and to prove this unique discovered property of light/rays.**

- Challenger instead of working under man made laboratory has used Nature's vast laboratory i.e., solar-system for his practical. Further instead of creating his own devices, he used Nature's already created devices i.e., Sun, planets, satellites, asteroids and other objects which are available/existing in the solar system. Instead of seeing the practical results through eyes, he used his brain to visualize the results on the basis of discovered property of light/rays.

- The results obtained by considering (supposing) the property of light/rays which he has discovered tallied exactly with the working mechanism of solar/planetary system. No phenomenon of the solar/planetary system has gone outside the purview/law of discovered property of light/rays. Or in other words the results obtained by applying laws of science over the discovered property of light/rays for its working over the Nature's devices has proved that discovered unique-property of light/rays is true and correct. This resulted to conclude that what the World already knows or understands that all is wrong; which is based on wrong and false understandings and speculations.



How the concerned (Experts in particular) could have the proof that what Challenger has discovered and claimed about the property of light/rays is correct or not?

- **Only suppose** (do not accept) what the Challenger has discovered.

- Apply his discovered (claimed) unique-property of light/rays understandings over the working mechanism of solar/planetary system by setting aside your existing knowledge over the property of light/rays.

- Solar planetary system is working over true properties of light/rays being Nature's devices, so results obtained through these devices cannot be wrong or false.

- Perform practical in brain and visualize the results as the Challenger has got the results which tallied with the Nature's phenomenons of solar/planetary system (perform experiment in brain as stated under query-9).



What unique property of light/rays has been discovered and what it does?

(What the Challenger has discovered, the same you would discover/understand by performing practical as

explained. By getting results, you yourself will put a stamp/confirmation that the following property of light/rays is correct/true and it does the following actions/phenomenons in solar/planetary system/Universe).

- Light/rays besides acting as energy is a form of the matter. Challenger has classed light/rays as Fourth State Of Matter (FSOM); first, second and third state of the matter being solid, liquid and gas respectively. He called this fourth state of matter as white-matter.

- Light/rays are stream of particles.

- Particles are closely touching each other to form a ray.

- A ray is composed of microest spheres; all closely touching each other to form a row. (Particles are perfect spheres or are of any shape similar to spherical; this all is left over to the Experts to analyze)

- All laws of light/rays which have been framed by considering that light/rays travel in wave motion; tally by considering light/rays are stream of spherical-particles. **(Why so? Explanation is ahead/IOIUMU)**

- Light/rays are materialistic and composed of microest-spheres, all closely touching each other. Due to this property they do not travel straight at their move on emerging from a moving/spinning body.

In the Universe nothing is stationary, all bodies are moving and most of them are also spinning while moving ahead. Rays on emerging from a spinning body form a curve; all curved rays adopt a specific pattern while emerging from the spinning body. Their this pattern results to form resultant specific pattern i.e., Mirror reflection (image) pattern over the plane passing through the equator of the spinning body. This mirror-reflection (image) formed by the rays over the plane passing through the equator of the spinning body acts as trap-zone to keep all the bodies/objects over this plane.

- Rays being materialistic in nature thus have thrust power over the body on their escape and also on their strike over any adjacent (effective range) body/bodies.

THRUST BY THE CURVED MATERIALISTIC RAYS RESULTS:

- (i) To spin the body from which the rays are escaping.
- (ii) To spin the body on their strike over the adjacent (effective range) body/bodies.
- (iii) To keep the adjacent (effective range) body/bodies away. Rays from two adjacent/effective-range bodies act like repulsion rays similar to rays emerging from the same pole of the magnets.
- (iv) To provide a push over the side of the body/bodies for its move. (This results for its orbital move by balancing the pull force of gravity.)
- (v) To trap all the bodies over a plane passing through the equator of the spinning body.

CONCLUSION & PROOF: If **supposed** (discovered) unique property of light does all as stated for the working of solar/planetary system, then it is evident enough to prove that what has been discovered by the Challenger that all is true and correct.

Only suppose (do not accept) what the Challenger has discovered and perform practical in brain as stated under query-9 by the Discoverer to get/understand the results. (Results would tally with the solar/planetary working mechanism, thus the proof.

(B) WHY THIS DISCOVERY REMAINED UNEXPLORED? IN BRIEF: (IOIUMU);**VERY IMPORTANT TO READ PRIOR TO READING EXPLANATION (ANSWER) OF THE QUERIES:**

● However advance human may go in Science, human cannot develop laboratory anywhere over earth, underground, over sea-bed or any device or equipment to understand discovered unique property of light/rays. **There is no mode other than what the Challenger has adopted to understand and to prove this unique discovered property of light/rays.**

● Physicists committed two blunder errors centuries ago while understanding property of light/rays and also while defining states of the matter.

● Now snags (Gang of snags) as illustrated over the Website are keeping the concerned away from correctly understanding by themselves and also even on pointing-out/challenging.

● **Nature of Discovery is beyond understanding capability of most concerned (even Experts). Why so?**

ANSWER: CLASSIFICATION OF DISCOVERIES:

Challenger has classified 'Discovery' to four categories of discoveries to canvass the concerned that why such discoveries mostly remain undiscovered in spite of the fact that most concerned were/are highly intelligent and keen to explore.

Category (i): Discovery related to invention of a device/object. This category of discovery gets a boost/importance at the fastest rate and is understood by the most concerned very easily.

Category (ii): Discovery of any materialistic thing or its property. This category too gets early acceptance and with ease because this discovery can be seen with eyes.

Category (iii): Discovery of materialistic thing which can not be easily understood as materialistic; like light/rays or discovery related to Fourth State Of Matter (FSOM) i.e., 'White-matter' (first, second and third states of the matter being solid, liquid and gas respectively.)

In addition to light/rays Physicists also do not understand smell-particles which is a state of the matter too thus Pharmacists/Medical-Experts have failed to understand the value of smell's effects over human/living-beings to heal most of the diseases. So any discovery over the smell effects can not be easily understood; like effect of Homeopathic medicine. (Diluted to its extreme, leaving no traces/atom of the medicine but has only the smell particles in the solvent) (IOIUMU).

Category (iv): Discovery, rather understanding related to a subject having no materialistic property; like understanding human body effecting disorder i.e., AIDS; AIDS falls to this category. Experts are finding cause of the AIDS in test-tubes or under microscope etc., but it is beyond the purview of any devices/practical-experiments. True cause of AIDS and its transfer to other person through blood/sex-organ is hidden under the fact/understanding that **what for life has evolved?** So Experts have failed to understand AIDS and true measures to control it. Human would go extinct within a millennium or two because of the adopted political-measures (thus-foolish measures) to control AIDS by the political dominated World Governments as illustrated in the book 'YOUNG AT 100'.

CONCLUSION:

Discoveries related to category 1 and 2 are common and easily understandable and can be seen through eyes; thus are acceptable with ease by the concerned but discoveries related to category 3 and 4 finds fewer brains who can understand with ease; most concerned failed to understand discoveries from this category.

Because of the inability to understand category 3 and 4 of the discovery by the most concerned, particularly by the key-personalities; human gets a bad luck/future.

MORAL:

It is the Physicists, who by not understanding correctly the states of the matter or matter it self are depriving the

MATERIALISTIC UNIVERSE (Preliminary-2) By Ramesh Varma (India)

Astronomers/Space-Explorers and Pharmacists/Medical-Experts/Chemists from understanding their own subject besides keeping themselves in dark over the understanding of light/rays/sub-atomic particles and also sub-particles of sub-atomic particles.

(C) SOME FACTS TO CONSIDER BEFORE UNDERSTANDING ANSWER OF THE QUERIES:

● **Fact:** **Universe is materialistic.** For the Nature, Universe is materialistic but for the human that how he defines it (the matter).

● **Fact:** Visible matter in the Universe has been formed from the finest possible sub-particles of the matter. Some of these finest possible sub-particles compacted at the centre of the Universe to trigger the evolution of Universe. (IOIUMU)

Note: Where from finest possible sub-particles came in the Universe (or how to make something from absolute nothing)? Challenger and the World too have no answer to it but next all the facts stated are scientific and understandable.

● **Fact:** Mass of the Universe was/is constant and would remain constant forever and ever.

● **Fact:** Suns (trillions and trillions of suns/stars/bodies) are losing their mass due to release of rays but as the mass of Universe is constant so rays have mass and are materialistic.

● **Fact:** Rays and other sub-particles of the matter are a state of the matter. Challenger has understood this state of the matter as Fourth State Of Matter (FSOM) or **white-matter** (First, second and third state of the matter being the solid, liquid and gas respectively).

● **Fact:** Universe/space is not empty (absolute-nothing) it is filled with FSOM/white-matter as media.

● **Fact:** Nature dislikes absolute-nothing. More than 2000 years ago Aristotle said 'Nature dislikes vacuum'. Modern Experts have not understood his sense of 'vacuum' thus they proved him wrong by knowing the fact that after some kilometers from the Earth, there is no air but his meaning of vacuum was 'absolute nothing'.

● **Fact:** No matter from the three states of the matter (solid, liquid and gas) can exist unless it is surrounded by the Fourth State Of Matter (FSOM), in the form particles of a ray called 'white-matter'.

Due to this fact and Nature's principle that Nature dislikes perfect-nothing; Big-bang i.e., Expansion of Universe from highly condensed mass equivalent to a size of pea nut or any size but without surrounding white-matter (or by surrounding absolute-nothing) is not possible. Hence theory of Big-bang has no base thus is wrong.

● Fact: Light/rays, a state of the matter but acts as energy.

How Challenger concluded that light/rays is a state of the matter but has an additional property to act as energy?

For this he has given a number of explanations, all stated and illustrated under the relevant chapters over website/CD but in brief only one example is sufficient to arrive at the conclusion to understand that light/rays is not merely energy but a state of the matter too.

Explanation:

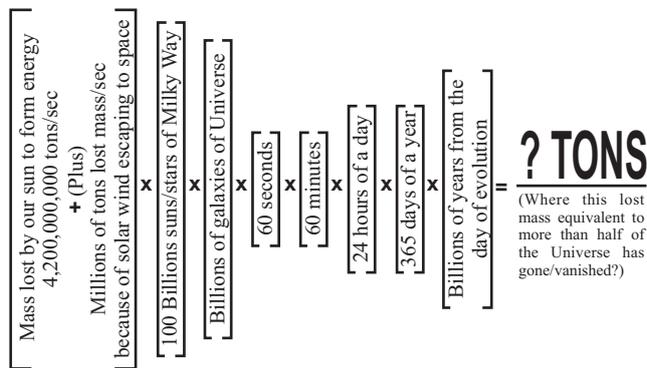
HOW MUCH MASS ALL THE SUNS/ STARS OF THE UNIVERSE ARE LOSING EVERY SECOND?

WORLD:

- Our Sun is an average sized star. The biggest stars are more than 100 times as massive as the Sun, and the smallest stars are less than 1/10th as massive as the Sun.
- Our Sun is in an average sized galaxy called the Milky Way. Milky Way contains about 100 billion stars.
- There are billions of known galaxies.
- Sun loses several hundred million tons (4,200,000,000 tons) of its mass per second due to burning of hydrogen for its nuclear fusion to generate (liberate in space) energy. With this rate Sun can live for about 10 billion years.

CHALLENGER:

If our Sun, which is an average sized star and in an average sized galaxy is losing so much mass per second; how much mass all the suns/stars of the Universe would be losing per second (or have lost till date)?



Answer: By knowing lost mass figure, our brain cells can burst; **but where this lost mass is going?** World understands that this lost mass is being converted into energy and energy is not a matter thus light/rays has no weight or mass, here the World has done or is doing a blunder mistake. The lost mass by the stars/suns is not going outside the Universe, but it is within the Universe as media (energy/rays i.e., a state of the matter or white-matter) and some bodies are using it (rays or white-matter) to build themselves and also some energy (a state of the matter or white-matter) is being accommodated in the Universe/expanding- Universe (Dimensions of white-matter Universe are the same it is only visible body Universe which is expanding).

Like gas, white-matter too has the property to go dense and rarer. White-matter is denser over/near the Sun and rarer at far off in solar system; similarly white-matter is rarer at far off in the Universe, visible matter is expanding but whereas white-matter is becoming denser from the rarer state.

CONCLUSION:

All the suns/stars are losing their mass continuously since their formation billions and billions years ago. If the lost mass through rays or the generated energy (or the created matter in the form of rays or white-matter) would have vanished from the Universe as the Experts believed/ believe because of their understanding (false) that energy is not a matter and thus has no mass; the whole universe may have gone empty by now or would go empty in near future. This concludes that what we understand as energy, it is not merely energy but a state of the matter too.

DARK MATTER: Experts have speculated that our galaxy i.e., Milky Way is made up of 90 percent invisible matter and called this matter as Dark-matter. Challenger does not understand that why the Dark-matter which the Experts are understanding is not existing in the solar-system zone or just near to it and why it is only existing at far away from us but existing in our galaxy. Our galaxy, Milky-way is not so vast as compared to the Universe that a unique matter is existing there but not near to us. This concludes there must be something wrong with the understandings by the Experts over the existence of the Dark matter in our galaxy.

Light /rays is a state of the matter called as **white-matter** by the Challenger. Light/rays which we see around us, their presence in the galaxy can not be understood like the way we are understanding white-matter over the earth. If we have to study space of solar system filled with light/rays (white-matter) from far off in galaxy (where the experts are understanding the presence of Dark matter). From there, we would understand solar system white-matter as Dark-matter in our galaxy because from there we would not see/observe light/rays (white-matter) of solar system space as the thinnest possible matter but we would understand solar-space white-matter denser than what we are understanding over the Earth. This error in understanding is due to the fact that from our Earth we understand our solar system space vast thus white-matter thinner (even not existing) but from far away total solar system space would be just a dot or we see solar-system bodies imbedded/suspended in condensed white-matter (Dark-matter). So Challenger concluded that Dark-matter is nothing else other than the white-matter.

•Fact: Formation and Vanishing of visible Universe is under oscillation:

Prior to formation of visible matter, Universe was filled with finest form of the sub-particles i.e., sub-particles of the sub-particles. Visible matter formed at the centre of the Universe resulting to make the far ends of the universe more rarer with white-matter. Now the far ends are again being developed more and more dense resulting to make centre rarer and rarer with white-matter. (Universe is under oscillation as illustrated over website/CD)

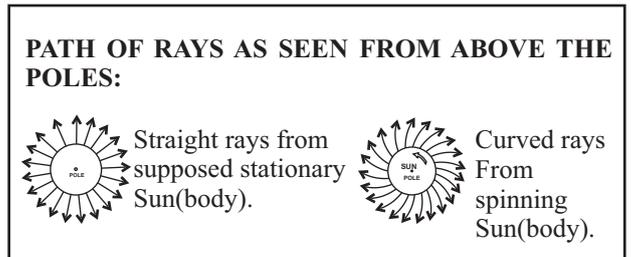
•Fact: Space-media (white-matter) poses resistance to bodies on their move and spin. Space-media is not absolute friction-less zone but it has least possible friction, so no heavenly body can spin or move for ever and ever without any continuous internal/external force/power.

Comet is the best example to understand this fact. Comet on its fast move cannot form a tail of particles, dust and gases unless it faces resistance by the space-media and thrust from the materialistic Sun-rays. Further glow of the nucleus of comet is due to friction by the space-media-matter and materialistic-sun-rays because of its high speed but whereas it starts its journey from the coldest place in solar-region.

•Fact: Light/rays are stream of particles (materialistic particles). This discovered fact (property) of rays was understood by some Physicists centuries ago but they did not go ahead in their thought due to(IOIUMU)

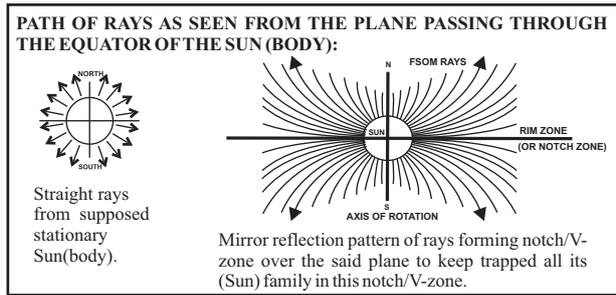
•Fact: Particles of the rays are closely touching each other. Physical shape of particles is such that on formation of a ray by the particles, property of the ray tally with the properties/laws understood by understanding (falsely) the ray travelling in wave motion. Discovered property of rays observes all laws of reflection, refraction etc. (IOIUMU) (Brief explanation in query -7)

•Fact: Materialistic-rays (because of their specific physical properties) on emerging from a spinning-body do not travel straight but adopt a curved/spiral path (Spiral-path is noticeable only after the rays have travelled very long distance). (Brief explanation in query -7)

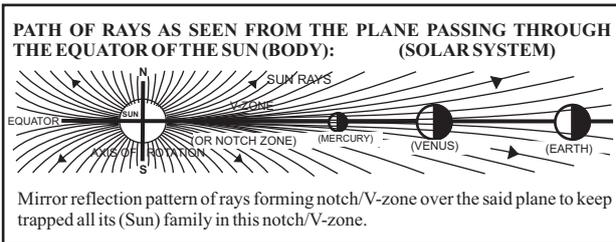


•Fact: High speed charged particles ejected by the Sun called as solar wind too are involved in the functioning of solar bodies but indirectly as their (solar wind particles) movement is governed and guided by the materialistic light/rays.

● **Fact:** Curved-materialistic-rays on emerging from a spinning body form a specific-pattern (mirror reflection/image pattern) over the plane passing through its equator. (Brief explanation in query -7)



● **Fact:** This mirror reflection/image pattern formed by the materialistic-curved-rays become a trap-zone to trap the bodies/objects/particles/dust etc, thus all the bodies get trapped in a flat-plane. **Brief explanation in Query- 2**



● **Fact:** Materialistic-curved-rays has the thrust power over the body on its leaving and also has thrust power on their strike over any other adjacent (effective range body/bodies). Magnitude of the thrust by the materialistic-curved-rays is not feeble but great; it is variable; Sun-rays has the greatest thrust over the Sun or near to it and the least at its farthest end of solar system.

Besides thrust power, rays i.e., White-matter too exert pressure like air pressure.

Thrust power and pressure of light/rays (white-matter):

● **Pressure of Sun-rays (white-matter) in space of solar system:** Like air molecules, particles of rays (white-matter) too exert pressure. We have air (gases) inside our own body and in each of our body cell. Air also surrounds us, that is why we are at ease with atmospheric air pressure. If air is taken out which surrounds us, what would happen beside death with our body? This every science concerned intelligent person understands.

Air pressure over the Earth surface is the greatest as compared with the air pressure at extreme end of Earth-atmosphere shell. Similarly rays (white-matter) pressure over the Sun surface is the greatest as compared to far off in the solar system. Besides gravity, back thrust pressure of the escaping rays are keeping the Sun matter compact. As air is inside of our every cell, similarly white matter is within our each and every cell/atom and also surrounds us. That is why we do not feel pressure of white matter, like we do not feel atmospheric-pressure of air.

Experiment/visualization in brain to understand rays (white matter) pressure/thrust:

● Presume, we have developed a rubber-shell at a distance of 5 or 10 kilometers away from earth surface by keeping the earth in the centre, nothing would happen to rubber-shell unless we suck air from above the rubber-shell. On sucking of air from out side the rubber-shell, gases in between the Earth and rubber-shell would keep on expanding due to pressure of gases in side the rubber-shell resulting to swell the rubber-shell.

● Similarly presume (suppose) a strong steel-shell over the Sun by keeping Sun at the centre; keeping the radius of the steel-shell of the size a little lesser to radius of Mercury orbit. If the steel-shell

does not allow the rays or white-matter to pass nor the steel- shell radiates the rays to outer space. What would happen with the strong steel-shell? After attaining a specific pressure by the Sun-rays (white-matter), it would exploding like an extremely mammoth atom bomb (similar to exploding atom bomb in a steel-shell) to throw away far off each and every body/object including our Earth. Visualization of this imaginary phenomenon in brain can make the concerned understand that how powerful thrust of the rays (white matter) are and has effect over the heavenly bodies. (Read comet to understand thrust power of Sun rays)

● When air is at stand still, we do not feel its thrust but when air is moving from high-pressure zone to low-pressure zone, we can feel its thrust; high wind speed can even blow us away. Similarly rays (white matter) which is on the move from the sun surface (high pressure zone) to far off (low pressure zone) puts its thrust pressure over the heavenly bodies/objects. (Comet does not plunge into the Sun due to strong thrust of Sun-rays)

● Magnitude of thrust by any flowing matter depends upon the pressure difference (speed) and density of the flowing matter besides some physical properties of the object facing the thrust. Water would put greater thrust over the body than air, because water is denser than air. Similarly rays (white-matter) being the thinnest possible matter would have the least thrust but not 'absolute-nothing'. (Rays i.e., White-matter is denser over/near the Sun than at far off in solar system). But when the object (heavenly body) is large and is floating in almost friction-less-zone, the rays (white matter) put its effective thrust to act similar to what has been observed, illustrated, concluded and proved.

● **Fact:** Two spheres (bodies) of the same density (mean density) but of different diameters would have different resultant-magnitude of thrust by the striking rays. Thrust over the body would be as per its surface area mass ratio; thus smaller body would be far away from the Sun than the big.

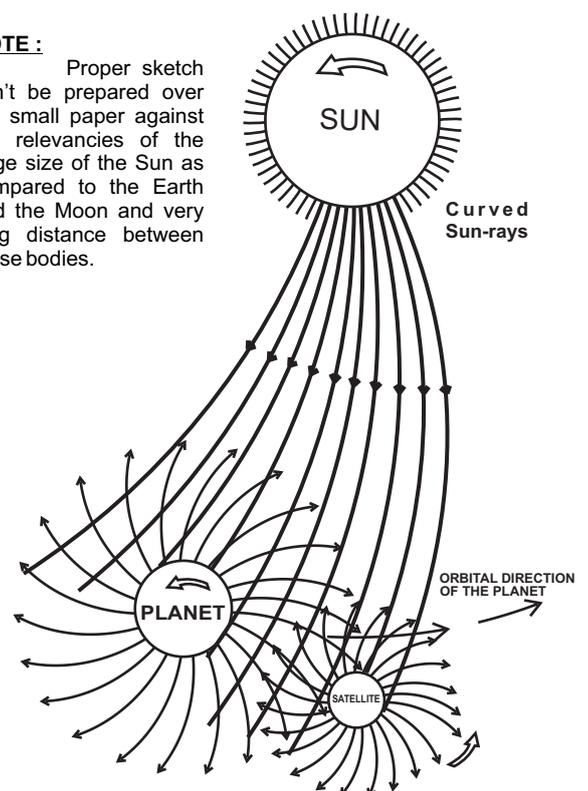
● **Fact:** Thrust of the rays keep the opposite adjacent (effective range bodies) away. Rays from both the opposite bodies act like repulsion rays emerging from similar poles of the magnets to keep the bodies further away.

Brief explanation in Query- 3, 4 and 5.

● **Fact:** Back thrust of curved rays on emerging from the body results to spin it. Curved rays emerging from a spinning body on its strike over the adjacent (effective-range) bodies results to provide a pre-spin on striking that too in its own direction of spin. (Some factors existing over the body on which curved rays are striking results to nullify its spin or curved rays on striking over the body results to give retrograde spin.) **Brief explanation in Query-1**

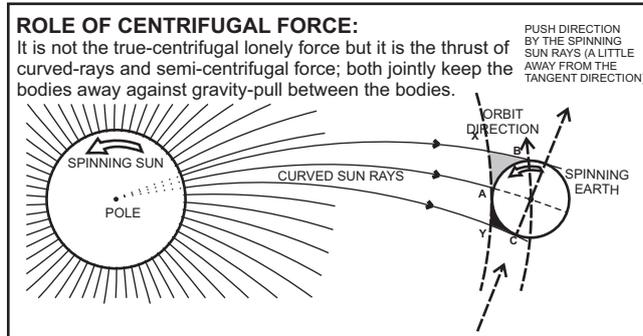
NOTE :

Proper sketch can't be prepared over the small paper against the relevancies of the large size of the Sun as compared to the Earth and the Moon and very long distance between these bodies.



● **Fact:** Further, curved rays emerging from a spinning body act by striking over a side of the body like fine materialistic curved bristles similar to moving spokes of a spinning-wheel resulting to provide a push to the striking adjacent (effective-range) body to move it in an orbit. **This act to push (move) the body straight (slightly away from the tangent) by the curved-rays results to generate semi-centrifugal force to keep the body little further away than being kept away by the repulsion of rays.**

Brief explanation in Query-3.



● **Fact:** Tilt to the axis of the planets is due to their (bodies) specific shape/properties and thrust by the Sun-rays. **Brief explanation under query-6.**

● **Fact:** No heavenly body is moving in perfect-orbit but is moving in loop-track. Every body on its orbital move shifts its point from where it has started. This can be understood by understanding the move/track of the comet. This all is due to high powered thrust of curved-sun-rays over the moving body. Magnitude of shift point depends upon the speed of the body; its size/volume, mass and eccentricity to Sun; more the eccentricity, greater the shift point. (IOIUMU)

COMET-LOOP-TRACK (PATH-AUB)

- Comet does not travel in an 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 i) has least or no gravity effect from the planets and ii) also has not lost or gained mass during its every re-start journey. (Gravity effect of outer most big planets can trigger/make the move of comet in reverse direction than the planets.)

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's spin is in the direction ABCD. 'U' is the U-turn point of the track AUB. AU distance is much shorter than the return distance UB. Near U-turn; distance of comet from the Sun is much lesser while approaching the Sun as compared with the distance on its return journey.

● **Fact: Thrust power of rays prevents collisions:** Every body emits rays (radiated or generated or both) irrespective of its size. These rays because of their repulsion power results to keep away other moving/orbiting heavenly bodies against their gravity attraction. If the planets would not have such property; comets and asteroids (which have high eccentricity to Sun) would have kept on colliding with them at faster rate. When a comet starts its journey, every planet/object keeps on adjusting their orbital motion speed as per the intensity of its rays and rays effect got over it by the comet. **This, rays expulsion factor prevents the collisions.**

Brief explanation over attached article 'Five enemies of Earth'.

● **Some more facts/Discoveries:** Above said facts and some discoveries/facts over the Earth (water, ice-age/hot-age.....); Moon (riddles/secrets.....); Universe (Big-bang, dark-matter.....); Magnet (what forms the rays and direction of rays from the magnetic-poles?.....) and much more beyond your exceptions are over the website under MATERIALISTIC UNIVERSE.
Website: www.newtonugeam.com

(D) RECOLLECTION OF SOME FACTS AND SOLAR WORKING MECHANISM:

Recollection of facts (some facts) in mind is a must for easy understanding as subject is new and contrary to existing knowledge and belief.

Universe is materialistic. Space is filled with materialistic media (white-matter) which poses resistance to bodies. Light/rays are stream of materialistic particles. Physical property of the rays and its particles is such that when a ray emerges from a spinning body it forms a curve. All rays on emerging from a spinning body form a specific pattern i.e., Mirror reflection (image) pattern over the plane passing through the equator of the spinning body. Rays being materialistic put its thrust pressure over the body while leaving and also on its strike over another adjacent (effective range bodies). Magnitude of thrust by the rays over a body is as per body's surface-area and mass ratio.

Sun got its pre-spin direction by the thrust of curved-rays from its parental formation and later Sun started spinning by its own released (generated) rays. Rays on emerging from the spinning Sun forms a curve. These curved rays due to their angular strike over the Earth with variable magnitude of thrust on either side of the Earth results to give a pre-spin to the Earth. Earth spins by its own rays and also by the Sun rays in the direction of spin in which sun has guided it. Mirror reflection (image) pattern of the Sun rays are keeping the Earth and other members of the Sun's family over flat trap-zone (the plane passing through the equator of the Sun). Thrust of Sun rays over the Earth is keeping the Earth away from the Sun against their gravity-pull. (Rays emerging from the Earth act against the rays from the Sun like rays from the same magnetic poles to repel the Sun but due to reflex-action Earth it-self goes away further from the Sun). Sun-rays on emerging from a spinning Sun besides their forward move also move like spokes of a spinning wheel. Curved-Sun rays on their strike over the side of Earth push the Earth to move. This straight but tangently move of the Earth gets transferred to an orbital move due to semi-centrifugal force resulting to keep the Earth a little more away from the Sun in addition to Earth being kept away by the thrust of Sun rays.

Reflex action by the Earth: Sun rays spin the Earth; keep the Earth away in a flat plane and continuously keep on pushing the Earth to move in an orbit around the Sun. The same effect Earth puts over the Sun by its own generated/radiated rays to keep the Sun away, to spin it and to force the Sun to move in its orbit. This reflex action of the Earth results to put effect over the Earth and Sun as per their size/mass/rays-power (strength). In this reflex result Earth gets faster orbital speed and also goes further far away from the Sun.

(E) Solar Ejects: Here in brief but explanation at the last under sub-chapter (H)

Solar ejects: Sun ejects high speed charged particles (electrons, protons, ions etc) along with light/rays and numerous other kinds of rays. All solar-ejects have their effect over the function of solar/planetary system. Rays (Light and of any other kind) play prime and most important role in the working mechanism of solar/planetary system but whereas solar wind or charged particles play secondary role because movement of charged particles is governed and guided by the light/rays. Because of this factor Challenger has understood, illustrated and proved working mechanism of solar/planetary system only based over the light/ rays by keeping aside the effect of solar-wind i.e., charged particles.

High speed charged particles (solar wind) only result in magnifying the thrust effect and action force along with light/rays but whereas these charged particles are not directly responsible in governing the function of solar/planetary system thus this chapter has been put at the last and queries over working mechanism of solar/planetary system have been answered with out their (charged particles) effects.

Understanding of the effect by all solar-ejects over solar bodies would make one understand fully the working mechanism of solar/planetary system.

(F) EXPLANATION (ANSWER) OF THE QUERIES:

Note:

- **Query-7 over property of rays should be the Query-1 but keeping in view the mind set trend of the concerned it has been placed at the last. (Concerned would be able to understand query-7, only after getting through query 1 to 6.)**
- **Further, contents of the query-7 has to be proved by understanding working mechanism of solar/planetary system, so property of rays is at the last i.e., at query SL No. 7.**
- **To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.**

Query-1: What spins the Sun and planets? Thrust by the emerging/striking curved rays OR due to conservation of energy OR because of pre-spin got at their formation.

What the World and the Challenger understands about the spin by the bodies?

WORLD: World understands that Earth spins due to its formation from a spinning/rotating cloud (nebula) and it would keep on spinning till it exists and further understands that it is not being governed by any force.

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 then 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.

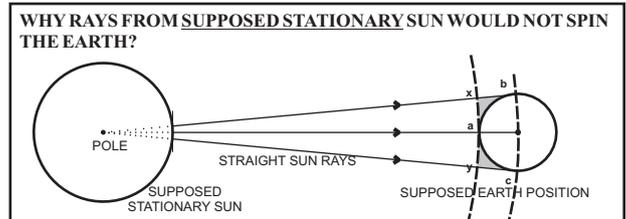
The coagulations of the material into clusters lead to the birth of planets. So rotation and revolution was their inheritance.

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.

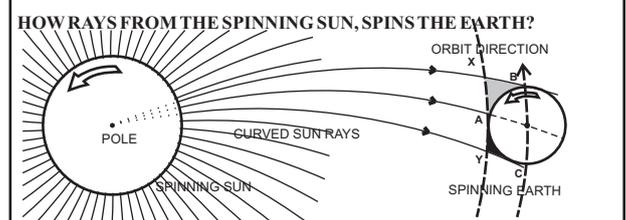
The important thing to remember is that a moving mass would continue to move in its path unless there was an external force on it. Luckily that happens fairly infrequently if we measure time in human life spans.

CHALLENGER: What the World/Experts know that all is wrong. Spin of the bodies is due to thrust by the curved-rays while leaving and also on striking.

PRE-SPIN BY THE SUN: If Sun was not spinning, rays would have travelled straight as shown over the sketch and their impact magnitude while at 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 as shown in another sketch thus rays on their strike over the surface of Earth; Earth's (or any planet) half part gets greater impact as compared to the other part. This difference (though feeble but effective in almost 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.



When supposed Sun does not spin or is stationary; its rays are straight. Zone abc and acy are equal, hence no spin to the supposed Earth by the Sun rays. Sun rays have thrust only to keep away the Earth from the Sun.



Besides angular strike of Sun rays, when a beam of XY falls over the Earth, magnitude of striking sun rays over the surface AB is weaker as compared to the surface AC. This can be understood from the zone ABX and ACY. In zone ABX rays have to travel greater distance thus become weaker on their strike as compared to the zone ACY. This difference in thrust by the angular striking rays, though very feeble but in almost frictionless zone is sufficient to spin the Earth in the spin direction of the Sun. Further, Earth spins faster due to its own released/radiated curved rays.

SPIN BY SUN AND SELF BY THE BODY: Earth is being spun by the impact (torque force) of curved sun rays and Earth also spins itself by its own radiated /generated curved 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 itself spins.

Note: Earth is slowing its spin speed due to the atmosphere, which is being made denser by the human as stated below under Venus.

SPIN BY THE VENUS: But whereas in case of Venus due to its extremely denser atmosphere i.e., 90 times dense than the Earth, curved sun rays on entering to denser media (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).

Venus orbit is nearly the most circular that of any planet, with an eccentricity of less than 1%. Most Experts understand that the reverse/retrograde spin of the Venus is due to its tilting at 178° i.e., Upside has gone down due to any massive collision in the past but the circular orbit of the Venus confirms that Venus would have never got any massive impact which can only tilt the planet to its extreme but without disturbing its perfect circular motion/orbit and orbital plane. So Venus is not retrograde due to its tilted axis (or retrograde spin understood because of its tilt to 178° or 180° is false) but its retrograde spin is due to its denser media as illustrated.

SPIN OF MOON: Moon does not spin, its spin has been permanently locked and thus it always keeps its same face towards the Earth. Spin of the Moon has been stopped at initial stage due to its specific location developed when Venus, Moon and Earth were 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 it to spin. Further on close alignment and in zone when all the three are near to each other, Venus curved-rays intend to spin the moon in its own direction of spin and the Earth's curved-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 has resulted to stop the spin of Moon. Once or more repeated stops from the spin resulted the denser/ heavy-elements of the 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 OF URANUS: Spin axis of the Uranus, which is parallel to the plane passing through the equator of the Sun, is also due to the Sun curved rays which forms notch or V-zone over the plane passing through the equator of the Sun and specific shape of its (Uranus') solid core. Core of the Uranus has been formed by clubbing of two nearby planets in the pre-historical times resulting to develop shape similar to shape of body consisting of two hemi -spheres having in between a thin flat disc. A body of this shape can not spin vertically but has to spin in lie-down position because of Sun-rays forming a V-notch over its plane passing through its (Sun) equator. (IOIUMU).

SPIN OF JUPITER: Fast rotation (spin) of the Jupiter is due to its own high intensity generated curved-rays (Jupiter generates six times more rays than what it receives from the Sun to radiate).



SPIN BY THE SUN IT SELF: Sun has got spin-direction form its parental formation and now its spin-speed is being maintained by its own released curved-rays.

SPIN BY THE BODIES: All the above said bodies have been better illustrated along with sketches showing that how rays on emerging from a spinning body put effect over the heavenly bodies and also has been scientifically proved under the relevant chapters/Challenge (MATERIALISTIC UNIVERSE) over website/CD.

AMONG THE TWO (i.e., SUN AND THE EARTH/PLANET): WHICH ONE CONTRIBUTES MAJOR SHARE OF RAYS' POWER TO SPIN THE EARTH/PLANET?

- **To give pre-spin/guide-spin to 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 the spin 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 curved rays.

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



Conclusion of Query 1:

What so ever is the spinning speed of the Earth this is mostly due to its own generated and radiated curved-rays and Sun curved-rays too are contributing for the spin but a little as per the difference in thrust power of Sun curved-rays on either half side of the Earth. Under the same principle, other planets are getting the spin. World's understanding that the planets are spinning due to conservation of energy or pre-spin got at their formation is totally wrong and false.



Query-2: What keeps the bodies (Sun and planets or solar system) in a flat zone? The curved rays, because of a specific (mirror reflection/image) pattern formed over the plane passing through the equator of the Sun OR because of the flatten 'nebula' due to its fast rotation at the formation of solar system.

Note: To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.

WORLD:

Solar system has been formed from a rotating cloud (nebula) comprising of gas, particles of dust and ice. Cloud/solar-nebula rotated dramatically fast; fast rotation resulted to form a thin disc. From the central region Sun formed and rest of the mass formed planets and other objects. As the solar system has been formed from a spinning thin disc, so all the objects including Sun are in almost a plane.

FROM A BOOK OVER ASTRONOMY OF WORLD REPUTE
<p>The formation of the solar system</p> <p>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.</p> <p>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'.</p> <p>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.....</p>

CHALLENGER:

Orbiting factor: A rotating solar-nebula cloud having any fast rotation cannot transform matter to a flat thin disc shape. (So flat/thin disc to justify Sun and planets in one plane). Because of the forces acting over each and every particle/matter towards the centre (core) to compact the mass; the matter of rotating solar-nebula cloud can not adopt a shape to thin disc, however rotation of solar nebula cloud would result to form oblate shape (extreme possible oblate shape but never to thin disc). So, planets formed from extreme possible oblate shape can never be in one plane.

Even if it is presumed that it is correct, there are various other factors which conclude that they can not remain orbiting in one plane because of the collision(s) unless some factor keeps/retains them in one plane.

Spinning factor: Almost all planets are rotating/spinning in the same direction in which the Sun it self spins. (Those planets which are spinning in some other direction than the Sun, the World understand that this different spin has been developed later due to some collision). From this phenomenon World understands that Sun and planets has been formed from a fast spinning cloud thus they all are spinning in the same direction and are also in one plane due to the said spin fact.

Any swirling/rotating/spinning cloud can not split to two or more parts while retaining the same spin direction. (Also no two or more swirling/rotating/spinning clouds can club together to become one cloud by retaining the same spin direction.) This can be well understood by noticing whirl-wind, cyclone, tornado or whirl-pool; none of these in numbering two can exist close to each other by touching their spin boundaries, nor any one can split to two or more swirling-bodies. When a spinning body can not split to two or more spinning bodies with the same spin-direction than spinning factor has

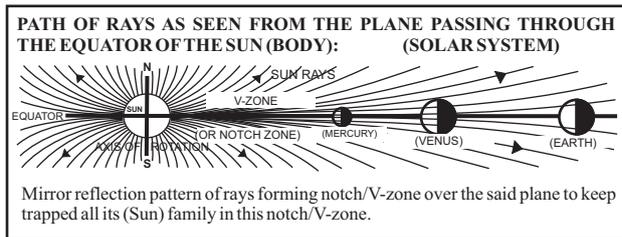
no proof that all the planets are in one plane due to their formation from a spinning solar-nebula.

Even if it is presumed that it is correct, there are various factors which conclude that planets cannot remain orbiting in one plane because of collision(s), unless some factor keeps/retains them in one plane.



What keeps the planets and Sun it self in one plain?:

If the Sun was/is not spinning, the rays would have travelled straight path and there would be no trap-zone. But because Sun is spinning, so rays on emerging from the Sun adopt a curved path. Every ray adopt a different curved/spiral path, but the rays which emerge from the point where any plane parallel to the equator-plane of the Sun touches the surface of the Sun, adopt the same pattern of path. All rays emerging from the Sun form a specific pattern similar to mirror reflection (image) pattern over the plane passing through the equator of the Sun. This specific pattern is a trap-zone for all the solar bodies/objects to keep all including the Sun in one plane.



Flat rings of Saturn:

Flat rings of objects/particles/dust etc, around some planets (Saturn, Uranus and Neptune) are due to the formation of trap-zone by the rays of their respective planets. These planets get material to form rings from the Asteroid-belt because of the Jupiter. Strong thrust rays of Jupiter result to collide some asteroids in asteroid-belt, small broken pieces/chipped masses move for wider orbit due to their surface area and mass ratio by the thrust of Sun rays. These small broken pieces/chipped masses, which comes under the influence/gravity of Saturn; are being trapped in the form of flat-rings in trap-zone formed by the rays of Saturn. Similarly, Uranus and Neptune form their rings and the remaining masses find their places at appropriate locations as explained over website/CD.



Very-very important factor: Understanding of the collision effects over the heavenly bodies:

WORLD:

World understands that tilted axis of the planets is due to the impact/collision over these bodies by the objects/bodies/comets etc. Spin axis of Venus by the collision has been tilted to 178° i.e., upside has gone down. Spin axis of Uranus has been tilted by the collision to 98° i.e., from vertical position, it has lied-down. Similarly, understanding about other planets is existing with the Experts.

Mercury is the closest planet to Sun. It has 0° axial tilt, but whereas because of its shortest orbital circumference it has the greatest chances of collisions with the eccentric-asteroids and comets. According to the Expert's understanding, Mercury has never got any collision (because it has no tilt).

CHALLENGER:

Any impact or collision can tilt the axis of spin but tilt given by the collision or impact can not last for ever and ever. Spinning body would stabilize its spin axis over the plane passing through the equator of the Sun according to its physical properties and thrust of rays as stated ahead and illustrated over website/CD.

Worth noting point:

From the period of formation of solar system, bodies are colliding with objects/comets etc, but the impact, according to the Experts has reversed the spin or tilted the axis of spin but never ejected any body/object from the plane passing through the equator

of the Sun to any other direction/plane.

Further, orbital motion of Mercury and Venus is almost circular; why the impact has not disturbed this circular orbit?

Collision factor of the bodies proves that bodies/objects/ particles etc are being kept in flat trap zone by the Sun curved-rays by forming a mirror reflection (image) pattern over the plane passing through the equator of the Sun. Due to the said/proved fact ring of Uranus got a tilt as per the tilt of Uranus axis thus rings are in flat plane passing through the equator of Uranus. Orbital plane of moon has got a tilt as per the Earth's tilt; that is why Moon is over the plane passing through the equator of the Earth. (If the rays were not affecting the tilt, rings of Uranus would not get a tilt along with Uranus nor Moon's orbital plane would have tilted along with the tilt of Earth axis.)



Conclusion of Query 2:

Illustration given by the Challenger confirms that Sun and planets are in one plane not due to the fact as understood by the World but are due to the specific (mirror reflection/image) pattern formed by the Sun-rays, which are keeping all the solar system bodies/objects in this flat trap zone even on their collision(s).



Query-3: What keeps the planets away from the Sun? 'Centrifugal force' OR 'thrust of curved-rays' released by the Sun and planets OR both the factors.

OR

What keeps the Moon away from the Earth? 'Centrifugal force' OR 'thrust of curved rays' released by Earth and Moon OR the both the factors.

Note: To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.

WORLD:

World understands that it is the centrifugal force which is keeping the planets away from the Sun and Moon away from the Earth against their gravity pull-force.

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.

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:

World/Experts understand so because they consider (understand) that there is no media which causes friction and the bodies got their spin and orbital motion at their formation, so bodies would keep on moving for ever and ever without any external force. Due to their move, it is the centrifugal force that keeps the planets away in orbital motion against the pull-force by the gravity of the Sun and Earth. **It is not correct.**

Role of Centrifugal force in keeping the bodies away:

Is the 'Centrifugal force' a prime and the only force in keeping the planets away from the Sun; Moon away from the Earth?

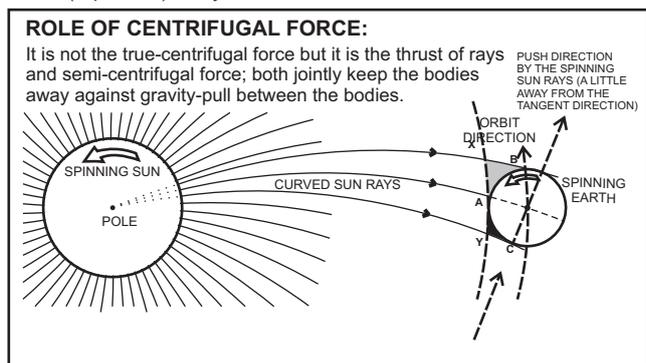
World (Experts and all the concerned) considers so.

Why they (world) consider so?

The property of light/rays, which the Challenger has discovered was/is not known to the World (concerned) due to the reasons/snags as illustrated over Internet/website; that is why they consider so.

Is true-centrifugal force OR semi-centrifugal force keeps the body away?

CHALLENGER: Rays on emerging from any spinning body results i) to spin the body from which the rays, are emerging; ii) to put thrust pressure over the adjacent (effective range) body/bodies to keep them away and iii) to push the body to have a move tangentially thus giving birth to 'centrifugal force' because of the gravity-pull by the bodies to keep the body a little more away than being kept by the thrust (repulsion) of rays.



In fact it is not true-centrifugal force but a resultant force developed/understood which keeps the body a little further away because of the push provided to move ahead straight by the curved-rays (from spinning body) against gravity-pull between the two

bodies. True-centrifugal force would be a force acting in the absence of thrust given by the rays of the bodies which keep the bodies apart. So this additional force which keeps the bodies further away on its move ahead than additionally being kept away by the thrust of rays should have another name thus the Challenger has given **semi-centrifugal force** the name to this resultant-force.

● **There are four factors which are keeping the planets away from the Sun:**

- (i) Thrust of the Sun rays over the planet.
- (ii) Thrust (Reflex-thrust) of rays (Radiated or generated) emerging from the planet itself resulting to keep it further away than being kept away by the thrust of Sun rays.
- (iii) Pushing of the planet to move straight tangentially by the moving rays (like finest spokes of a spinning wheel) emerging from the spinning-Sun resulting to develop semi-centrifugal force (as illustrated)
- (iv) Reflex action over the planet (spinning-planet) itself by its own rays, similar to the effect got by the planet from spinning-Sun rays.



What keeps the planet away from the Sun?

Thrust power of the Sun rays and semi-centrifugal force (a resultant force developed due to push/move given to the planet by the curved-rays emerging from spinning Sun) are keeping the planet away from the Sun but if the planet itself too generates/radiates its own rays, it would be more away than in the absence of any ray released by the planet because rays emitted by the two opposite bodies act like rays emerging of the same magnetic-pole resulting to act as repulsion-forces to keep the bodies further away. (Rays emitted/radiated by the Jupiter are resulting to keep the Jupiter at far away from the Sun than if Jupiter was/is not emitting any ray. If Jupiter was not emitting rays, it would have moved closer to the Sun or might have plunged into the Sun. In this process before plunging it would have engulfed/swallowed all the asteroids and planets in between the Sun and itself.)

As planets are not being attracted only by the Sun's gravity; magnitude of attraction (gravity-pull) depends upon the gravity of both the bodies (Sun & planets) and their distance. Similarly repulsion magnitude by the rays too depends upon the magnitude of rays generated/radiated by the Sun and planet both and distance between them.

Reflex semi-centrifugal action by the planet:

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 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 curved-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. This orbital move by the Earth-rays is making an attempt to move the Sun around itself result to generate semi-centrifugal force by its reflex action.

Practical: To have practical experience of reflex-action, keep a bucket filled with water in bathroom. Go naked and sit over the floor. Make the floor wet and also apply soap where you are sitting to develop the floor with least friction. Now attempt to push the bucket with side of your leg (not foot) to move bucket like Earth moves around the Sun in its orbit. Instead of bucket being moved you would find yourself get a move. This is how Earth gets further move around the Sun by its reflex-action.



Conclusion of Query -3

It is the thrust of the curved materialistic-rays from the Sun and the semi-centrifugal force (a resultant force due to push by the Sun-rays) as well which is keeping the planets/bodies away from the Sun and not the true-centrifugal force as understood by the World. Planet goes far off further due to reflex action by the similar effect caused by the planet over the Sun as Sun is causing over the planet.

Query-4: What factors are responsible for the sequence (distances) of planets from the Sun?

WORLD:

Among so many theories; the World is with the theory that the planets have been at their locations because of their formation at these distances. Further, the World has formulated a number of theories and concepts from the ages to spot some planets in between the two planets and also to spot any next planet after the discovery of any planet, which they have presumed to be further away from the spotted planet. But nothing formulated/speculated was/is correct because true factor(s) responsible for the sequence of planets was/is not known to the World; Experts just formulated/speculated with false basic understandings.

The Titius-Bode law:
 In 1766 the German mathematician Johan Titius brought to light an interesting numerical relationship linking the distance of six known planets from the Sun.....
He was not the first to put forward this idea.....and as long ago as 1596 this region (mass to Jupiter) may play host to an extra member of Sun's family.....

CHALLENGER:

- Sequence or distance of a planet from the Sun depends upon numbers of factors:
- Its mass;
 - Its density;
 - Its shape;
 - Its volume ;
 - Intensity of materialistic particles-rays emitted (radiated/generated) by the planet.

In the absence of any radiated/generated materialistic particles-rays by the planet, denser and big planets would be nearer the Sun whereas lighter and smaller would be far away because of thrust by the materialistic Sun-rays because of the factor (rays' beam cross-section area and planet's mass ratio). Intensity of materialistic rays emitted by the planet it self, drifts (repels) it further far away from the Sun than its location as per the effect of only one factor i.e., (rays' beam cross-section area and planet's mass ratio).

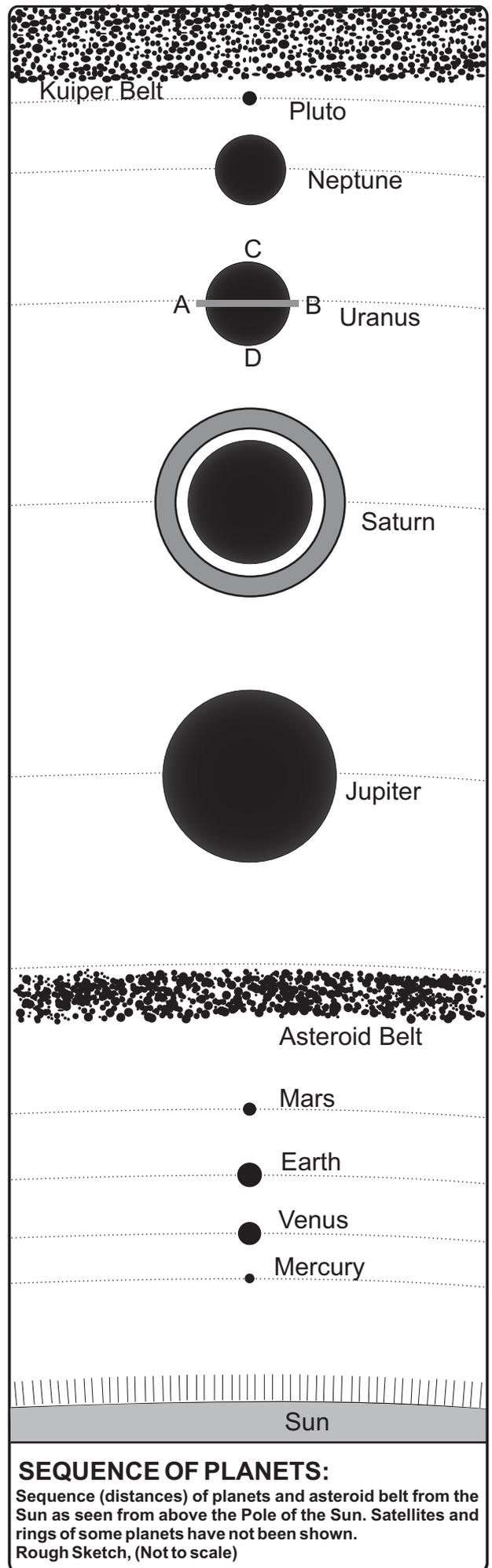
Jupiter emits six time more energy (materialistic particles-rays) than it receives from the Sun. Materialistic particles-rays emitted by the Jupiter are resulting to keep the Jupiter at far away from the Sun than if Jupiter had not been emitting any ray (energy). If mighty Jupiter was not emitting its own materialistic-rays, it would have moved closer to the Sun or might have plunged into the Sun. (In this supposed process, before plunging Jupiter would had have engulfed/swallowed all the asteroids and planets in between the Sun and it self.)

CONCLUSION:

It is the intensity of materialistic particles-rays emitted by the planets and the Sun, along with the factor (rays' beam cross-section area and planet's mass ratio), which determines the sequence. World's Understandings over the sequence of planets is totally wrong and false.

Because of the said factors (thrust/push by the blow of solar-ejects and **repulsion factor*** by the materialistic rays of the Sun and the planet); densities of the planets calculated by the World on the basis of their orbital speeds and their distances from the Sun are wrong.

***Repulsion factor:** Repulsion between the Sun and the planet by the materialistic-particles rays are feeble in intensity per square unit of area but repulsion is like by the rays from the similar Poles of the two bar magnets. (Explanation over the repulsion by the materialistic particle rays is over the website: www.newtonugeam.com under title: MATERIALISTIC UNIVERSE.)



SEQUENCE OF PLANETS:
 Sequence (distances) of planets and asteroid belt from the Sun as seen from above the Pole of the Sun. Satellites and rings of some planets have not been shown.
 Rough Sketch, (Not to scale)

Query 5: What keeps the planets/satellites/objects moving in an orbit? Push-force by the moving curved-rays (moving like finest spokes of a spinning wheel) emerging from spinning body OR by the pre-move got at their formation.

Note: To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.

WORLD:

The 'energy and momentum' of 'Earth's and other heavenly bodies' primarily came from the method of their formation. These bodies got their momentum through gravitational contraction. Once a planet like our Earth is set into circulation around the Sun, we do not need any engine/force to keep it going.

FROM NEWSPAPER, YEAR - 2003

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

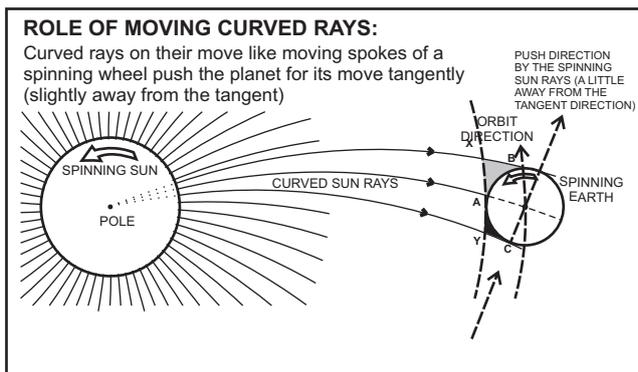
The energy and momentum of the earth and other heavenly bodies primarily came from the method of their formation. If we take the generally accepted theory of formation of the solar system then these energies are derived from the original energy and momentum of the large cloud of gas and dust that gave 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:

World understands that Earth (planets) moves around the Sun due to the spin and motion got at its formation from the spinning cloud due to its contraction by its gravity. Neither spin nor the motion (around the Sun) can be had by the different bodies on spitting/separation from a massive spinning body (cloud) because a massive spinning body after contraction and on explosion can not yield bodies with the said physical motion properties as illustrated under Query No. 1 (spinning of planets).

What moves the planets/objects?

● **Moving rays force the planet to move:** Rays on emerging from spinning Sun (any spinning body), do not move straight, but form a curve. These curved rays by acting as fine materialistic bristles (moving spokes of a spinning wheel) act to push the planets to move ahead tangentially but body moves in an orbit



Around the Sun by the gravity-pull. As the rays are not straight but curved, so push force of the rays forces the planets not in perfect-tangent direction but slightly away toward outside; gravity pull of the bodies prevents this straight move resulting to keep the body in an orbit. By this act planets adopt a little bit additional wider orbit than got from by the thrust of rays from both the bodies.

Earth (planet) moves additional faster further by the similar effect (reflex-action) cased by the Earth (planet) over the Sun as Sun is causing over the Earth. (planet)

● **What converts straight but tangently move given by the curved-rays to planets to move in an orbit?**

It is not the true-centrifugal force which keeps the planet's move in an orbit as illustrated under query-3 but it is the semi-centrifugal force (a resultant force).

Semi-centrifugal force: In fact semi-centrifugal force (force acting away from the centre of Sun) is resulting to keep the bodies (planets) further away than the distance is being maintained by the repulsion power of rays.

By the push of curved-rays from spinning Sun, planets intend to move straight but where as gravity pull of the Sun and planets prevent this, So this gravity-pull force is being balanced by a force (force away from the centre of the Sun) i.e., centrifugal force (semi-centrifugal force). In case of solar/planetary system, rays emitted and radiated by the Sun and other bodies play a vital and prime role for keeping the bodies (Sun and planets) away, so centrifugal force is not true-centrifugal force but is the secondary force which results to keep the bodies further away than by the repulsion power of the rays of the Sun and planet.

Orbital moving speed: Space is not empty (absolute nothing), it is filled with rays (white matter).White-matter poses resistance that is why light (rays) has a specific speed due to resistance. If the space has absolute nothing as media, light/rays would have taken no time to travel any distance. Space/media poses resistance, so the orbital speed of the planets is slower than what it should be in the absence of white -matter. (Comet is the best example to understand resistance by space-media)

Note: Because of this resistance factor (i.e., slow orbital speed due to space friction) and factor (i.e., repulsion power of rays) as stated under query-4; density calculated by the World of the planets/bodies are totally wrong.

Conclusion of Query 5:

Planets are not moving (over the plane in an orbit) due to any pre-motion got at their formation. Such motion even if presumed can not last for such a long period due to the resistance of space media. (IOIUMU). (Formation of tail and glow of nucleus on fast move by the comet as illustrated over website and in brief under Facts is the best example to understand resistance by the space-media). But planets/bodies/objects move around the Sun due to the angular strike of curved Sun-rays (from spinning Sun) and also by their own curved rays due to reflex force.

Note: All solar bodies/objects move in the same direction governed by the materialistic sun-rays but bodies/objects, like comets/asteroids which have very much eccentric orbit/loop with the Sun, they some time adopt their move towards the Sun in the reverse direction than the planets. The reason of this phenomenon has been stated under the relevant chapter/paragraph related to comet.

Query-6: What tilts/tilted the axis of spin of the tilted-planets? Thrust of Sun rays and specific-shape of the tilted-body OR impact/collision of the planets (which tilted) with some objects/bodies.

Note: To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.

WORLD:

World understands the tilt of axis of planets is because of some impact/collision of the planets/bodies with another object/body in the pre-historical times.

Axis of Venus is tilted at 178°

FROM NEWSPAPER, YEAR - 2004

Earth revolves around the sun from west to east ; the Venus goes in the opposite direction. Why is it so?

Yes, the sun rises towards the west on Venus. In addition the day on the Venus is longer than the year! It is obvious, all this is due to the specific history of the formation of Venus or the collisions it might have suffered. The point is that we do not know the exact reason for the difference.

Axis of Uranus is tilted at 98°

FROM INTERNET, YEAR - 2008

Uranus is distinguished by the fact that it is tipped on its side. Its unusual position is thought to be the result of a collision with a planet-sized body early in the solar system's history.....

CHALLENGER:

AXIAL TILT OF THE PLANETS:

World did not know true reason of axial tilt of the planets. Challenger has observed and concluded that axial tilt of a planet is due to-

- Shape of the planet which determines its tilt: Shape of the planet also includes its co-related bodies like its satellite(s)/moon(s), rings and other scattered masses encircling around it.

Axis of the planet would have zero tilt (or perpendicular) to the plane passing through the equator of the Sun; if planet is a perfect sphere, of almost uniform composition at every shell, has no moon/rays and also generates no rays (or generated/radiated rays are feeble as compared to the rays magnitude of the Sun over the planet).

- Tilt of planet can also be due to its own emitted rays: If emitted rays are strong enough to create a noticeable effect over the Sun-rays, planet would get a tilt.
- Gravity of the Sun effecting over the planet's patch/part: If this patch/part is of high density than the planet matter, gravity/pull of Sun would have its effect to tilt the axis (planet) but due to the spin speed of the planet such effect is nullified or would have little effect.

(i) MERCURY: Axial tilt (0°)

Information from World: Mercury is the closet planet to the Sun, its surface and matter remains under very hot state thus surface is smooth. It does not emit its own rays except radiated rays. Its size is also not large. It is almost a perfect sphere.

Challenger: Zero degree (0°) tilt of the Mercury is due to the observed factors i.e., perfect sphere, smooth surface and has no moon/rings and its radiated rays are very much less as compared to rays of the Sun over it.

(ii) VENUS: Axial tilt (178°-18°)

Information from World: Venus has thick gaseous atmosphere. The pressure of Venus atmosphere at the surface is 90 times greater than we have on Earth surface. Thick layer of gases are in the atmosphere, which are up to 250 km above the surface. Venus surface is actually hotter than Mercury enough to melt lead. This is due to greenhouse effect.

Challenger: Thick gasses do not allow the Sun-rays to hit its surface directly (with out passing through denser media); moreover its surface is smooth due to the hot surface. Venus in real terms is not tilted at 178°-18° (or at 180° Approximate); tilt is falsely understood due to its reverse spin than the other planets. Reverse spin is due to its thick atmosphere, which bends the Sun-rays towards normal. Bend of the rays towards normal results to reverse the impact state of the rays over the surface of Venus thus spin-direction and spin given to the Venus goes retrograde.

Rays on passing through the dense atmosphere become weak in impact over the surface, thus Venus rotates/spins slowly by the Sun rays. Further Venus spins by its own rays in the direction in which Sun has given it the spin. Tilt is not due to any collision as understood by the World; under false observation Venus is understood to have a tilt of 178°-18° (or at 180° Appx.) but in reality it has almost no (1°-42° or 0°) tilt.

Venus spins very slowly, creating a factor like body having no spin, so negligible tilt i.e., 1°-42° this tilt might be due to a denser patch or part of the Venus, which would be more denser than the average mass of the planet. This denser patch/part is being pulled by the gravity of Sun. Existence of this denser patch/part has confirmation due to the fact that when Venus approaches near the Earth, it gazes towards the Earth (or makes it spin slower by showing the same face/part i.e., Denser part to the earth). This denser patch over the Venus can be due to sucking of its own satellite in the past; this sucked satellite would have been developed in pre-historical times from the scattered masses (rings of the Sun) orbiting in between the Mercury (Mercury-core) and Venus (Venus-core).

(iii) EARTH: Axial tilt (23°-24°)

Challenger: Tilt of Earth axis has been stated under the 'Earth', which is due to the high mountains, surface shape of the Earth and also due to the Moon.

(iv) MARS: Axial tilt (25°-12°)

Challenger: Tilt of the Mars axis is also due to the similar reasons as observed and stated.

(v) JUPITER: Axial tilt (3°-06°)

Information from World: It is the largest planet, 318 times the Earth. Jupiter probably has a core of rocky material amounting to something like 10 to 15 Earth masses and rest of the material is gases from extremely compressed to the rarest at the top. Jupiter radiates more energy (rays) to space than it receives from the Sun. Jupiter has rings like Saturn's but much fainter and smaller.

Challenger: Shape of the Jupiter solid core could not cause a tilt because it is very much deep inside. Tilt of the Jupiter is due to its own emitted rays and also due to its rings. Strong rays emitted by the Sun and Jupiter are expelling each other. Two expelling forces in the form of jet of rays, (jet in the form of disc/plane) cannot pin point towards each other whereas two attracting forces always intends to do so. Due to this factor, equator planes of the two giant (rays-emitting-bodies) can never be in one plane; low rays intensity emitting body among the two has to get a tilt. That is why Jupiter has a tilt. Another factor of tilt to Jupiter is its rings, which can be well understood after reading 'Saturn' over website/CD and in brief as under.

(vi) SATURN: Axial tilt (26°-42°)

Information from World: Saturn is the second largest planet. Saturn composition is similar to Jupiter. Saturn too radiates more energy than it receives from the Sun; Saturn rings are thin but denser than Jupiter and are 250,000 km or more in diameter.

Challenger: Some tilt is due to its emitted flat jet of rays as stated under 'Jupiter'. But tilt of Saturn to greater degree than the Jupiter is due to its vast, thick and thin rings. Rings are its part and Saturn too is the part of rings; both are attached to each other and this shape is formed by the rays emitted by the Saturn itself. Any body having vast rings (wings) could not keep its rings (wings) perfectly in the plane of

the rays passing through the equator of the Sun; hence Saturn has to get a tilt. (Rings/wings of the Saturn are also keeping the Saturn more Away from the Sun than Saturn would be in the absence of rings/wings.)

(vii) URANUS: Axial tilt (97°-54')

Challenger: Reason of its tilt has been explained in 'Uranus', over website/CD but in brief as under:

In Brief: Uranus has not got tilt by the collision (a body collided with the Uranus, tilted it and gone away after collision). Uranus core has developed a prolate-spheroid shape similar to a body formed from two hemispheres having in between a thin disc. This shape, Uranus would have got by the collision (clubbing) with another adjacent planet in pre-historical times. (Two planets by closely touching each other or very near to each other but covered with the liquid-gasses and gasses to look as one planet would also behave in the same way)

This prolate-spheroid shape of the Uranus can not stay perpendicular to the trap-zone-plane; it has to lie down to roll. Rolling of Uranus has resulted to change angle of its own trap-zone plane. Thus its rings have got tilt along with the tilt of Uranus. So it is the flat jet rays of the Sun which are forcing the Uranus to roll; tilted axis of the Uranus is not due any impact/collision as understood by the World.

(viii) NEPTUNE: Axial tilt (29°-36')

Challenger: Tilt of the Neptune would also be due to the shape of its solid core and other factors as stated.

(ix) PLUTO: Axial tilt (94°)

Challenger: Tilt of the Pluto has been explained in chapter 'Pluto' over the website, which is due to the Pluto and its moon/satellite of comparable size to its own; both forming a body behaving like a cylindrical shaped body for the Sun rays.



Conclusion of Query 6:

Axis of any planet has not tilted due to any impact/collision as falsely understood by the World but this phenomenon is due to the effect of thrust by the rays of Sun as stated in brief over here and illustrated over website/CD. (IOIUMU)

Query-7: Why rays adopt a curved path and form a mirror reflection (image) pattern over the plane passing through the equator of the spinning body to result solar phenomenons?

Note: To give answer of every query, some illustrations have been repeated to make the individual query understandable with ease by retaining link of information.

WORLD:

World does not know answer of this query as the Experts have not yet understood true physical properties of the rays/light

CHALLENGER:

Explanation runs to several pages, so to understand this phenomenon/ fact, please read all pages over the website/CD. There are two other modes to understand than going through all the pages over the Website/CD; Practical and reverse understanding (If A is =B than B is also=A).

Practical: Make a spherical shell of fiberglass, like Earth-globe having diameter approximate to 300mm. Draw a line from North Pole to South Pole and also mark line showing equator. Make perpendicular holes to its surface of 1mm diameter over these vertical and horizontal lines. Make the globe rotate-able over a tubular axis with holes for injecting water with pressure inside the globe. Make axis rotate-able with a small geared motor to make it rotate-able at different speeds.

On rotation of globe and injection of water with pressure, the jets of water coming out from the globe-holes would determine the path of rays adopted from the spinning body. Due to gravity over Earth, experiment could not perfectly tally with the direction of rays emerging from heavenly bodies but would serve the purpose for perfect-understanding.

● Adopt reverse understanding:

Instead of having/getting proof that what is the form of rays and why rays on emerging from a spinning body adopt a curved path which results to spin the bodies, to keep them apart, to force them to move in an orbit and to keep bodies trap in one plane; **reverse the query.**

Reverse Query: Are rays (and what kind of the rays) spinning the bodies; keeping them apart; forcing them to move in an orbit and are also keeping them in one plane?



What is the form of the rays?

A ray can be like a finest filament of materialistic nature; a ray can be a wave (as the Experts understand) and a ray can be a stream of particles (materialistic-particles) as some Physicists understood during the past but failed to canvass their colleagues.

● (i) **Filament-rays:** This kind of materialistic ray can not make the solar-system function-able, like it is functioning, nor the ray can obey laws of light/rays like reflection, refraction etc.

● (ii) **Wave-motion-rays:** A wave is a wave and has no materialistic properties, thus it can not provide thrust hence solar system cannot function by such form of rays. (Wave theory is obeying laws of reflection, refraction etc due to an error in understanding wave as illustrated over the website but in brief over here).

In brief: (IOIUMU)

Why the results obtained by applying laws of reflection, refraction or any related to light/rays by understanding a ray travelling in wave motion tally with the results got by understanding a ray as stream of particles (spherical-particles) by closely touching each other?

No two different versions of the laws can yield the same results in science but these two stated understandings give result so, strange but true. **Why so?**

This all is due to a blunder-error which every one commits from the day foundation stone of understanding and law related to light/rays was introduced/accepted.

WORLD:

Light/rays travel in wave motion and light/rays is not a form the matter.

CHALLENGER:

Why we draw a ray travelling in wave motion over the paper or over the

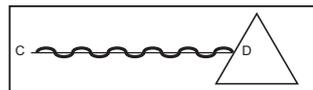
Screen of computer for calculation purpose always only in one pattern whereas it can travel, strike or pass through a transparent body in any other pattern?

When ever we have to study or calculate the path of a ray in wave motion while it has to pass through a prism or oblique glass slab etc, we always adopt one pattern over the paper or over the computer screen as stated below, the ray AB.

- This pattern of the wave-ray AB always lies in the plane of the paper or screen of the computer.



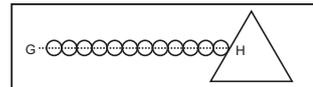
- The same ray (CD) in wave motion at 45° to the plane of paper/computer-screen:
This understanding of the rays would results to lower its amplitude thus the calculated results.



- If we have to draw this wavy ray (ray travelling in wave motion) perpendicular to the paper, it would be seen a straight line EF.



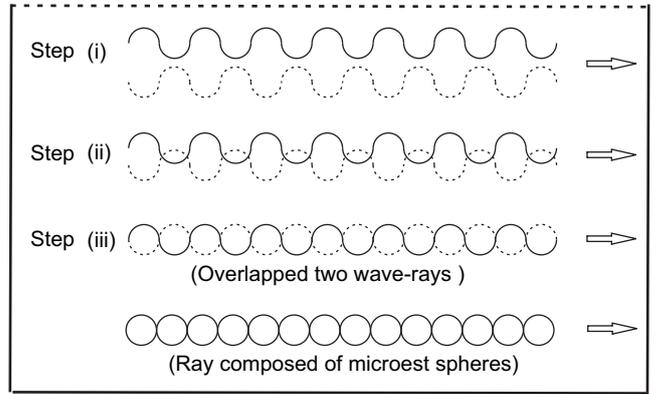
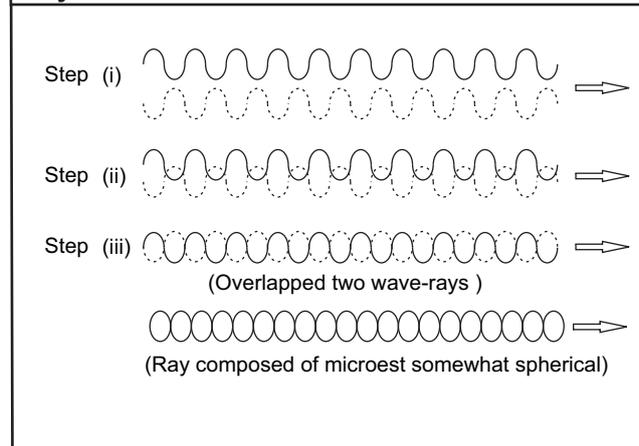
- Now if we spin the wave AB to its axis AB. This could form an unlimited numbers of versions at every degree of rotation. Now if we spin fast this wave to its axis AB, it would form a chain of spheres. This chain of spheres would follow all the laws of light, which we falsely attempted to understand that a ray of light travels in wave motion.



- In real terms by sketching a ray as shown above (in wave form) every concerned calculates the result of a ray path by camouflaging a wave-ray to spherical-particle-ray but by understanding the ray as a wave
- Challenger is surprised to note that why no one had ever thought that how a wave motion ray could be explained by forming a ray like CD or EF?

Overlapping of two wave-rays: Overlapping of two waves of the same specifications would result to form a ray; Scientific calculation of this formed ray for the purpose of getting results of reflection, refraction, diffraction etc., would tally with the results obtained by understanding a ray composed of microest spheres by closely touching each other. Due to this fact Physicists of the past era while laying foundation stone of the laws over light/rays committed blunder error. This can be well understood from the sketch as shown below.

Bring two wave-rays closer and closer till they form a ray as shown.



CONCLUSION:

Laws of reflection, refraction etc has been illustrated over the website by considering a ray forming of microest spheres, closely touching each other. In fact a wave motion theory can not yield the same results as results are being obtained by understanding a ray of stream of particles. **This all is due to the said error (blunder error).**

- (iii) **Ray consisting of materialistic stream of particles:** Rays with such property adopt curved path on emerging from a spinning body, because the rays are composed of particles of materialistic nature and shape of the particles is spherical or similar to it.

World Astronomers could not understand this property of rays and phenomenon in spite of their keenness and by taking help of devices from the last so many centuries/millenniums because of the Physics scientists who remained baffled and are still baffled in understanding the properties of 'light-rays'. Understanding of the light and other rays as observed, understood and proved by the Challenger Ramesh Varma has unlocked all secrets/riddles of Astronomy. Below is the part of a paragraph taken from a school Text-Book of Physics that clearly makes one understand that Physics scientists are still baffled to understand light.

FROM SCHOOL TEXT BOOK OF PHYSICS
One of the problems of scientists has been to understand the nature of light or light energy.
 The method of the scientific worker is to perform experiments and to make careful observations about the results of experiments. With the help of the results obtained, reasonable conclusions are made about the nature of material objects.
 Some such experiments performed with beams of light tell us that light is a kind of wave motion in the medium through which it passes. Other experiments also made on light beams show that light consists of tiny corpuscles called photons.

Physicists adopted the concept that light is a wave because they found (due to the error as stated earlier) that this concept obeys the laws of reflection, refraction, diffraction etc besides tallying with their understanding (false) that light is not a matter but only the energy. Had they (Physicists) understood that light is a state of the matter, they could very easily understood/understand that light is a stream of particles (or as understood by the Challenger), because this concept too obeys all the laws of light besides proving all the phenomenons occurring in solar system and in the Universe **but proves only when light is understood as a state of the matter.**

FROM INTERNET: Feb. 2008
How do we know light behaves as a Wave?
Wave like behaviors of Light
 An age-old debate which has persisted among scientists is related to the question, "Is light a wave or a stream of particles?" Very noteworthy and distinguished physicists have taken up each side of the argument, providing a wealth of evidence for each side. The fact is that light exhibits behaviors which are characteristic of both waves and particles.....
 Light exhibits certain behaviors which are characteristic of any wave and would be difficult to explain with a purely particle-view.....

IMPORTANT TO REUNDERSTAND: In those days when Wave Theory was being accepted all the Physicists did not support wave Theory; some were also of the view/opinion that light ray consists of a stream of particles but because all the Physicists were understanding (due to an old age concept/understanding) that light is energy (power but not the matter) so the World (all the Physicists) tilted/understood falsely that a light is a wave.

Physicists have not firmly/confidently decided over the property of light/rays that light/rays are stream of particles or a wave? In fact they consider light/rays as energy travelling in wave motion and they (Physicists/Astronomers) have never observed any phenomenon in solar system (Universe) based over the fact that light/rays are composed of stream particles. At some references, Physicists to suppress/conceal their inability to understand true property of light/rays, claim that light/rays have both the characteristics of a wave and stream of particles. By claiming so, Physicists are confusing the concerned, particularly the Astronomers besides putting themselves in doldrums. Light/rays are not a live body which can have/play/act both the characteristics. A matter (non-living) always has a fixed one property, so light/rays being a state of the matter has only one property/characteristic that it is a stream of particles and not a wave or nothing like a wave, (Solar/planetary system confirms and proves this all.)

Challenger has concluded the properties of the rays by observing all the heavenly bodies in our solar system (not by the speculation) that a ray is of materialistic nature, it is composed of microest spheres, all spheres closely touching to each other in a row to form a ray.



Rays are of materialistic nature:

Further, by observing the Universe, that Universe can not lose even a milligram of its mass; he concluded (which gets self explanatory proof) that all what the heavenly bodies (suns/stars etc) shed (emit/radiate) by losing their mass is all a matter, nothing else. This lead to reveal the truth that Universe is materialistic, every thing in the Universe is materialistic and we may be able to understand this or not, it makes no difference.

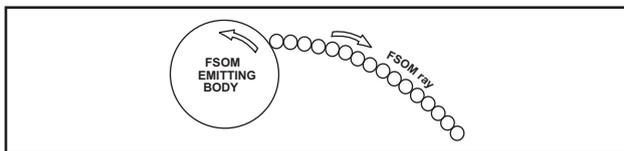


Shape or structure of rays: particle of the shape 'spherical' or similar to it can perform the phenomenon which is occurring in the Universe, so let us **presume** that stream of particles are spherical and all are closely touching each other to form a ray/ray.



Why a rays consisting of microest- spheres forms a curve on emerging from a spinning body?

Consider only one ray emerging from the equator of the spinning body. For easy understanding, consider a ray composed of micro glass spheres all closely touching each other.



Now when the first glass sphere would emerge from the surface and the next is just coming out, spinning-body would have spun a little. So the next sphere would be a little away in the direction of the spinning body and the third sphere would be more far away. All these spheres which would emerge, these would put an angular thrust on each sphere to rotate a little. So the row of spheres would move ahead by forming a little bend or curve. So the ray would not travel straight but form a curve. Speed of light/rays is great as compared with spin speed of the body, so curve in ray would be noticeable only after a long distance.



Path of the curved ray as seen from above the poles:

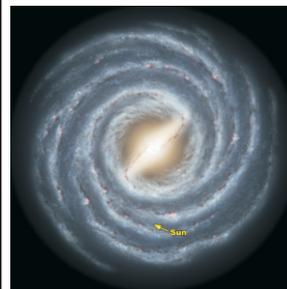
All the curved rays would be seen as stated below if viewed from far off above the pole of the spinning body.



Path of the rays/matter as seen from above the Pole of the Sun or from the Pole of any spinning body has the same pattern of their path. (Knowing of this fact would make understanding of the next paragraphs easy and acceptable).

Path of the Sun/Galaxy/Black-hole matter: There would be no difference with the move-pattern of the rays-matter from the Sun or move-pattern of the bodies in a galaxy or move-pattern of the objects/bodies/rays (white matter) towards the core of Black-hole while collapsing into it.

Galaxy (Milky Way) as seen from above the Pole:

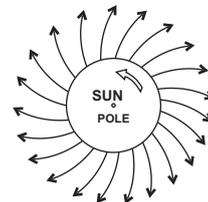


Note: No real photograph of our galaxy (Milky-Way) and of our solar system can be taken from above the Pole by any means by the Experts because our galaxy is in an almost flat disc. Being too wide, no man-made satellite/space-vehicle can go above the Pole of our galaxy Milky Way to take photograph from there. However photographs of other bodies and clubbed formations (Galaxies, Black holes and Star/Sun systems) can be taken from above/side of the poles but most of which we see over TV/ Internet/ information media, that all are computer animated or computer modified photographs.

(Note: Use sense to understand whether the photograph is real one or computer animated)

Black holes

Black holes are those massive, invisible objects that suck in everything around them.



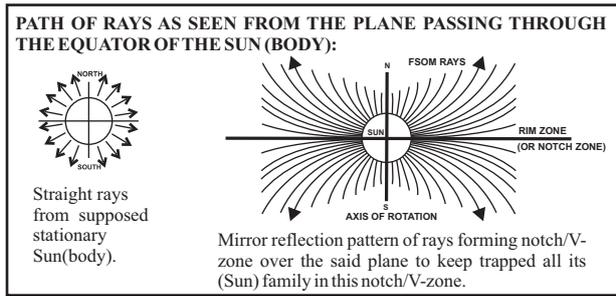
SUN RAYS AS SEEN FROM ABOVE THE POLE:

Curved rays from spinning Sun(body).

If viewed from the Pole of central body, all the three giants would adopt a spiral shape (like coiling and de-coiling of steel-spring-coil). In case of the Sun-rays and galaxy-bodies, branches would be coming out at every/some steps to fill the widening-space but in case of black-hole, branches of collapsing matter would be clubbing together due to narrowing of the space for the moving objects/bodies/white-matter on their move toward the centre of the black-hole.



How these curved rays form a mirror reflection (image) pattern over the plane passing through the equator of the Sun?

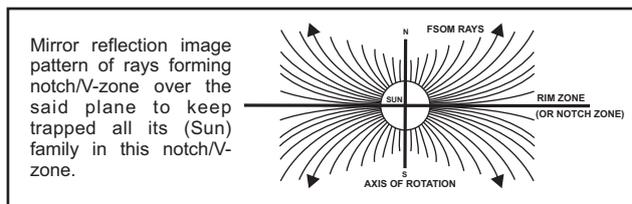


Because of the spin by the Sun, every ray adopts a different pattern of its path but all the rays emerging from the point where a parallel plane to the plane which passes through Sun's equator touches the surface of Sun form the same pattern of their path. (All the curved rays after travelling very long distance form a spiral path, similar to expanded coil of a wire from its centre). Half part from equator-plane of the spinning-body adopts rays-pattern with the rays going away from the equator-plane and another half part adopts pattern in reverse to the other thus rays form a mirror reflection (image) pattern over the plane passing through the equator of the Sun (any spinning-body).

How mirror reflection (image) pattern develops V-zone/Notch/Trap-zone?

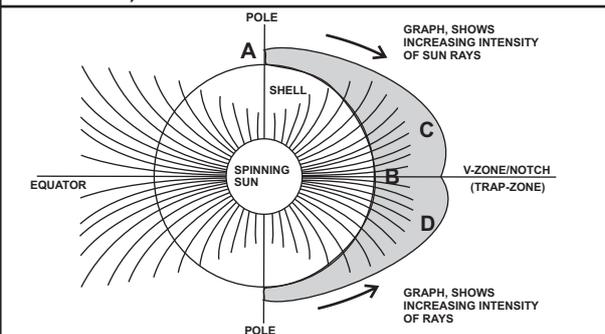
It is not possible to define/illustrate properly the pattern of rays nor possible to show through sketch-over the paper but for understanding purpose; rays on emerging from every ring (parallel to equator-plane) over the surface of the Sun form a pattern similar to 'a part of a spheroid shell'. Diameter of every said shell would keep on increasing from zero at the Poles to infinity at the equator of the Sun (or in other words zero-diameter or dot over the Poles and infinity-diameter means flat-plane over the equator-plane of Sun). This pattern of rays would form a V-zone/Notch/Trap-zone over the equator-plane.

Note: What has been said that can be explained only by a model or through 3-dimensional computer.



How intensity of rays forms V-zone/ Notch/ Trap-zone over the equator-plane?

Grey coloured graph showing intensity of rays over any shell over the Sun (far off from the Sun, from planetary zone to its extreme end).



For better understanding; if magnitude of rays at point A is one Unit, than at B is two units (multiple of the B) and at point C & D is three units (multiple of the A), resulting to create a trap-zone (v-zone) at CBD.

Centrifugal-force thrusts solar-ejects with greater magnitude over its equator than towards its poles. Rays on emerging from the Sun intend to fill the space. To keep the space with uniform pressure at its every shell; concentrated solar-ejects over and very near to the equator plane expand and bend away from this flat -plane. This phenomenon results to form V-zone/Notch-zone/Trap-zone over the equator plane of the Sun (any spinning body). This trap-zone can also be understood by the graph of intensity magnitude of the rays over every supposed shell in space by keeping the Sun at its centre as stated/explained.

How V-zone/Notch/Trap-zone keep the bodies trapped?

V-zone/Notch/Trap-zone formed by both the factors (intensity of rays and part of shells of rays (or dipped-planes of rays over the half and crust-planes of rays over the other part) results to keep the bodies trapped.

There are only two zones, where any body/object can be trapped by the Sun rays; body/object can be trapped over the Poles or over the V-zone/Notch/Trap-Zone. Body/object over the Poles would be at pin-point, any shift from this point would result to drift the object away. This shift/move can be due to the explosions in the Sun (as is occurring) or by getting impact from other objects. Body/object on getting a move from the Pole would adopt an orbital motion; its orbital motion in any direction would pass through equator-plane and on just passing through this equator-plane it would get trapped to V-zone/Notch/ trap-zone. From where there is no escape except to be there and orbit around the Sun. That is why all the bodies/objects etc are in this V-zone/Notch/Trap-zone.

Result obtained by considering a ray composed of microest- spheres, all spheres closely touching each other to form a row (ray).

Presumed ray formed of materialistic microest-spheres by closely touching each other forms a curve on its move from a spinning body. All curved rays form a mirror reflection (image) pattern over the plane passing through the equator of the spinning body resulting to trap bodies in this V-zone/Notch/Trap-zone. Further curved rays results to spin the bodies and to push the bodies to force them to move in an orbit/loop-track. Repulsion power of the materialistic rays results to keep the bodies away against their gravity pull.

CONCLUSION:

As the **supposed** ray consisting of materialistic stream of spherical particles results to perform action which tally with the phenomenon occurring in the solar system and also obeys laws of reflection, refraction etc. This confirms that light is a materialistic stream of spherical particles all closely touching each other to form a ray. Such ray forms a curved path on emerging from a spinning body and results to do all acts as stated.

Query-8: What do the rays do other than the said actions/phenomenons?

WORLD:

World does not know any thing about the effect of rays over any heavenly body because the Experts (Physicists) have not yet understood light/rays as a state of the matter and are lost in wave-motion theory (theory is not a fact).

CHALLENGER:

Light/rays besides acting as energy is a state of the matter (white-matter). It's discovered physical properties are resulting to act as illustrated under the answer of Queries 1 to 6. Besides this all what has been stated, light/rays do the act as stated/illustrated over website/CD.

Before knowing that what rays (white-matter) do other than as said, some additional facts about the rays (white-matter) need their understanding, which are as follows:

Property of overlapping of the rays-matter (white-matter) over the white-matter and passing of rays-matter (white-matter) through the white-matter:

How a ray on its move ahead expands its effective occupied increased volume?

Rays on emerging from any source (Sun or any) on their move expand their effective occupied increased volume but which mode the rays adopt for this phenomenon? There can be a number of options but out of which only one would be true.

Options:

- (i) A ray matter can go on expanding and expanding and expanding.....
- (ii) A ray would keep on splitting its branch at every step to form new parallel (some what-parallel) rays by shedding overlapped micro-spheres on getting ahead wider space at every step. By this way a ray would keep on shedding its overlapped sphere of white-matter, so as to keep on diluting the magnitude/density of the microest-spheres (white-matter) at every step at its move.

Option No. (i) Does not appeal thus rejected. Only option No. (ii) Would be true because this would obey all the laws of reflection, refraction, diffraction etc and also would tally with the working mechanism of planetary system by understanding their working based over the light/rays a state of the matter (white-matter).

CONCLUSION:

What happens with the rays at its end which start their journey from the surface of the Sun to its far off end? This all is beyond the capability of the Challenger. But by keeping in view of the laws of light/rays over reflection, refraction, diffraction etc and over the working mechanism of planetary system, Challenger has concluded that rays micro-spheres are overlapped. A ray on moving ahead to wider and wider zone keeps on shedding its overlapped spheres to form a branch of ray as close to it as possible with diluted properties of intensity/density.

Why do we not notice bend in the rays on emerging from a spinning body and its branches on getting into wider space and always notice/understand every ray a straight ray?

We have no means to notice the branch of a ray but would observe every branch of a ray as a prime ray emerging from the source because the whole space is filled with mixture of rays (all kinds of rays of micro-spheres). We can not notice any bend in the ray from the Sun; all the micro-spheres of the rays coming in the way of a straight line drawn from our eye to the Sun makes us understand a

ray, though this understood ray has the micro-spheres of different unlimited number of rays. (This phenomenon of the rays can only be understood from the planetary working mechanism by the rays as illustrated by the Challenger). This inability of the human or of its any of the device is due to extremely fine matter (finest and rarest composition) of the light/ray and also because all rays are closely touching each other and also are overlapped resulting to act as media in space.

What would happen to rays-matter (white-matter) on their compactness and rareness?

There must be a specific barrier for the concentration (denseness) and dilution (rareness) of the ray micro-spheres (white-matter). On being compacted to some magnitude a ray matter (white-matter) must get converted to a matter of any one state among the three known states of the matter. Similarly on dilution (rarer) of the ray-matter (white-matter) it must get split into sub-matter particles of the ray or into least possible sub-particles of the sub-particles of the matter.

Because of what reason, the rays (white-matter) have the property to pass through each other?

PRACTICAL: There is no need to perform practical, this we see and notice through out the day and in our life span. But for the purpose of understanding so that we may be able to understand Nature's phenomenons with ease, some illustrations have been given below .

No matter in our solar-zone or even in our galaxy Milky Way exists which is the densest in the Universe. Any matter which is the densest near to us is the centre of the black-hole which exists near to our galaxy.

Like our atmosphere which is composed of different kinds of gases, similarly our solar system zone and even the Universe are composed of different kinds of rays (white matter).

Every ray has the property to pass through the solid, liquid and gas with variable penetration properties because no matter is the densest to its extreme. A ray can pass through with least resistance from the air than from the liquid and with ease from the liquid than from the solid. This concludes that rays can pass through with least possible friction/resistance from the media of white-matter (rays) in Solar-zone/Universe.

X-rays (white-matter) can pass through gases or from liquids and thus on move by the gases in a rubber-balloon and liquids in a rubber bag they (gases & liquids) can pass through the beam (zone) of X-rays (white-matter). All (X-ray. gas & liquid) can pass Through by crossing each other without opposing the path of any one (In true sense as regards to understanding of the planetary working mechanism, the thrust of X-rays over any state of the matter is not absolute nothing).

If instead of gases or liquids, if we select more rarer matter i.e., X-rays and put a beam of X-rays to cross through another beam of X-rays, both the beams would pass through each other without disturbing the path of any one like liquid/gas has crossed the beam of X-rays as stated earlier. This concludes that white-matter rays have the property to pass through from each other.

And this property has further resulted to provide another property to the rays-matter (white-matter) to overlap over each other to make the ray more denser or powerful in its magnitude and by shedding its overlapping, a ray-matter (white-matter) can reduce it self to its rarest form or to reduce magnitude in intensity.

Conclusion:

So this said property of the rays (white-matter) is unique due to their thinnest (rarest) formation/structure but not hundred percent different from the other three states of the matter. It is Universal truth that no 'state of the matter' can have all the same or similar properties of any other 'state of the matter'. These rays are not merely a form of the energy but are a fourth state of the matter i.e., **White-matter.**

Physicists with their photons' understanding and Challenger with the understanding of rays as white-matter:

A unique another property concluded by the Challenger other than thrust by the rays over the bodies of the light/rays is to overlap one or any number of micro-spheres over each other of a kind of the ray to make the ray (white-matter) intensity greater or to shed one or any number of micro-spheres from the ray to make the ray (white-matter) lesser in intensity magnitude. In addition to this, rays have further another unique property that micro-spheres of any kind of the ray can pass through any other kind of micro spheres of the rays thus any ray can move in any direction with out opposing the path of other rays. This kind of unique property of the rays (white-matter) is like different properties of the other states of the matter. **It is universal truth that no 'state of the matter' can have all the same or similar properties of any other 'state of the matter'.**

A similar understanding about the photons of light/rays exists with the Physicists but they have not yet been able to understand that photons are a state of the matter. Physicists might not be able to understand photons as a state of the matter because they adopted wrong branch of understanding centuries before about the property of light/rays.

A few millenniums before air was also not considered as a matter, because definition of matter was a thing which can be given or taken but air does not come under this definition. But later modern Physicists of the past era included air to matter. Now the most modern Physicists except debating over the states of the matter are not reaching at any conclusion because of the blunder error committed by the Physicists, particularly over the chapter of light/rays as stated under the relevant chapter/paragraph. **Physicists would always remain in doldrums unless primary Astronomy subject is made a compulsory subject for all the Physicists to understand property of light/rays on the basis of working mechanism of planetary system as understood by the Challenger.**

Some worth mentioning facts over here about the rays (white-matter) are:

1. Density of the planets (heavenly bodies): Are mean-densities of the planets concluded by the World (Experts) correct? No. Why? This all is because of the rays thrust power.

The basics adopted for calculation of mean-density of any planet by the World are wrong because Experts understand that the planets move in orbit from the move got at their formation. Further it is the centrifugal force that is keeping the planets away from the Sun. But whereas both the facts i.e., Move-speed and centrifugal force are not over the correct base. Planets move by the thrust force of the curved rays emitted by the Sun and it self and further planets are away from the Sun due to four reasons of the rays as explained. Thus densities calculated by the Experts of the planets and of all the heavenly bodies are wrong. (IOIUMU)

● **VENUS:** Venus on two accounts should be behind the Earth i) Venus radiates more rays than the Earth because of its proximity to the Sun, on this account, Venus should be behind the Earth because of its greater thrust to repel it self in addition to thrust by the Sun rays. ii) Venus (Diameter: 12104 KM) is of smaller size than the Earth (Diameter: 12756 KM). If both have the same densities, because of Venus' small size, Venus should have more magnitude of thrust from Sun rays because of the fact (surface area mass ratio but whereas Venus is ahead of the Earth. So mean density of the Venus (5.25) can never be less than the Earth (5.52) but whereas density of Venus should be much more than the Earth. Formation of Planets as illustrated by the Challenger also proves that the masses from which the planets have been formed were arranged as rings around the Sun, like now Saturn has rings. Denser substances were near the Sun and the rarer at far away. As the Venus has been formed of denser masses than the Earth so mean-density of Venus is greater than the Earth.

There is another proof that Venus has much higher mean-density than the Earth because Venus is capable to hold 90 times denser atmosphere (gases) because of its higher gravity (higher

gravity is due to high density) in spite of the fact that Venus is getting much greater magnitude of thrust (blowing power) from the Sun rays as Venus is near the Sun than the Earth. (Magnitude of Sun rays thrust over the Venus atmosphere is so great that Sun rays develop a tail of atmospheric- gases towards the side, which is away from the Sun.)

Mercury: Mercury is closest to the Sun. Experts have calculated mean density of Mercury 5.42 gms/cm³ and of Earth 5.52 gms/cm³. Diameter 4878 KM of Mercury is much smaller than Venus (12104 KM) and Earth (12756 KM). Any planet (Mercury) of much smaller size than the Earth can not exist very near to the Sun because of Sun's extremely high magnitude thrust of rays (white-matter), unless Mercury has very high density than of the Earth; so mean density of Mercury would be more than 50 percent higher than the Earth but whereas experts have calculated (falsely) density of Mercury lesser than the Earth.

2. Speed of light: All the colour-waves travel with the same speed. Why so?

Experts understood same speed of all the colour-waves due to their variable frequencies as all the colour-waves have different wave-lengths (Note: Frequencies have not been practically measured but only the wave-lengths has been practically measured by speculating that speed of light is constant for all the colour-waves, amplitude too has been calculated (not measured), resulting to get lost in the cycle of error as stated over the website) **OR** All colour-rays composed of microest-spheres of white-matter have different speeds as per their diameter of microest-sphere and density as rays being a state of the matter (white-matter). Explanation in short is not possible. IOIUMU

3. Thermal expansion: Why the matter (solid, liquid and gas) expands on heating?

Matter expands due to the energy level by the heat-rays. **OR** Matter expands due to injection of white-matter in the form of rays consisting of microest-spheres. (IOIUMU)

4. Bio reaction by the rays: How rays bio-react with the living beings (plants, animals and human) ?

Is it a wave-motion energy-rich ray which causes bio reaction with living beings? **OR** Is it a ray composed of microest spheres (white-matter) and every different kind of ray due to its different bio-chemical properties being a state of the matter (white-matter) reacts to yield bio results?

Further why the bio results by the different kind of the rays are similar to bio-results over living being by another unique state of the matter i.e., Smell (different results with different types of smell from different sources/chemicals/living-beings)? (IOIUMU)

5. Bumble-bee: Bumble-bee has inadequate wing surface area to lift its body weight but it still flies. What makes it to fly?

Bumble-bee flies because of its sheer will. **OR** Bumble-bee flies by getting additional lift due to jet of rays (white-matter) emitted by it to get additional thrust/lift over the media (air molecules). IOIUMU

6. Space-ship: What results to provide move and turn to the space-ship in space where there are no traces of air?

The space-ship in space moves or takes turn by its jet of gases on striking over the waves (which are not materialistic) or by getting thrust over the medium of absolute-nothing. **OR** Space jet moves or takes turn by its jet of gases over the medium of white-matter. (IOIUMU)

Conclusion of Query-8

Light/rays do much more than what has been observed and illustrated by the Challenger. Future lies in understanding more about the rays (white-matter).

Query-9: How to perform practical/ experiment over the said discovery?

(Practical in laboratory is not possible; hence perform experiment in brain to confirm theoretical explanations)

EXPERIMENT IN ‘BRAIN’ AND VISUALIZATION OF THE RESULTS TO UNDERSTAND DISCOVERED PROPERTY OF LIGHT/RAYS AND WORKING MECHANISM OF SOLAR/PLANETARY SYSTEM:

● However advance human may go in Science; human can not develop laboratory any where over Earth, underground, over sea-bed or any device or equipment or objects similar to Sun and planets and frictionless zone like solar system has to understand discovered unique property of light/rays and working mechanism of planetary-system. **There is no other mode other than what the Challenger has adopted to understand and to prove this unique discovered property of light/rays.**

● Before performing the experiment in ‘Brain’, some facts/phenomenons need understanding.

Comet: Comet is a body, mass of which is almost comparable with some of the planets. It starts its journey from far off but in solar-system. When it starts its journey to visit the Sun, it aims the Sun and its speed is almost zero. As it approaches the Sun, its speed keep on increasing with the accelerated rate. When comet crosses the orbital path of the Earth, its speed is thousands of kilometres/minute. Comets do not plunge into the Sun because of the Solar wind which drifts it away.

(Challenger: It is not the solar wind but it is the concentrated light/rays i.e., stream of particles which drift the comet away from the Sun. According to the World knowledge, solar wind does not escape to space except some traces or its negligible mass but solar wind could not keep away comet from the Sun unless solar wind escapes to space with extreme pressure capable to drift away super-speed moving comet. If solar wind is capable of drifting away the comet than why solar wind does not puts its thrust over the planets to keep them away? So it is not the solar wind but concentrated light/rays or white matter which drifts the comet away and prevents its plunging into the Sun). (IOIUMU)

Earth: World/Experts understand that it is the centrifugal force which is resulting to prevent the Earth from being pulled by the Sun and in case Earth stops its orbital move, Earth would plunge into the Sun.

A reference of World-knowledge from Internet:

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."

CHALLENGER:

Comet, which crosses the orbit path of Earth at a speed of thousands kilometres/minute does not plunge into the Sun because of Solar-wind thrust of rays but whereas as per the Experts understanding; the Earth, which if stops or starts its journey from zero speed towards the Sun, would plunge into the Sun. (How much wise are the Experts in their own understandings/speculation? Much more similar false and foolish understandings/speculations are illustrated in Chapter No. 19 under MATERIALISTIC UNIVERSE.)

In fact, Earth would not plunge into the Sun. But if the Earth is pushed/ejected towards the Sun at a speed equivalent to the

comet, which the comet attains while crossing the orbit-path of the Earth, the fate of Earth would be the same as that of the comet.

What would actually happen if Earth is stopped from its orbital motion?

Explanation is below under ‘Experiment in Brain’:
Experiment in Brain:

Presume that the Universe is empty, there are only the Sun and the Earth beside yourself and you too have two assistants. You and your assistants have super-power blessed by the God. You all can float in space and also are so giant and powerful that you all can hold the Sun or Earth in your hands and also you all feel no heat from the Sun. You also have a remote control device to stop/start spin and also to start/ stop release of rays by the Sun and Earth.

(Note: This experiment is not manipulated but based over the fact i.e., property of light/rays understood from the Comet and Sun.

Experiment: (see also sketch)

● (i) Stop the spin of Sun and Earth with the remote-control. Also stop release of rays by the Earth (only Earth). Ask the assistant - A and assistant-B to hold the Sun and Earth respectively at their places.

● (ii) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays off.

Ask the assistant-B to take away the Earth a little from Sun and then ask him to bring the Earth near the Sun slowly and slowly. At some distance from the Sun, Earth would not be pulled by The Sun nor it (Sun) would expel it (Earth). At this distance repulsion power of the Sun-rays would be balancing the gravity attraction of the Sun and Earth.

● (iii) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays off.

Now start release of rays by the Earth but by stopping the spin of the both; Earth would start going away from the Sun because of repulsion by the rays by the Earth; and again Earth would adopt a balancing distance (BD) from the Sun but away from the previous location.

● (iv) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays on.

After attaining Balancing Distance (BD), push gently the Earth a little towards the Sun and leave it. Earth would start oscillating over a path passing through the centre of Sun and Earth by maintaining BD as its oscillating centre.

● (v) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays on; Earth oscillating.

Now stop oscillation and again keep the Sun and Earth at BD.

● (vi) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays on.

Ask the assistants to hold the Sun and Earth. Stop release of the rays of Sun and Earth both, both the Sun and Earth would intend (Force) to move toward each other to collide due to gravity-pull. Again start release of the rays, both Sun and Earth would ease to maintain BD.

● (vii) **Position before experiment:**
Sun not spinning; Sun rays on.
Earth not spinning; Earth rays on.

At Balancing Distance (BD), stop gradually release of rays by the Earth. Earth would move forward toward the Sun and would stop at a distance from the Sun. Now start spin of the Sun. Sun curved rays after emerging from spinning Sun would start spinning the Earth but slowly in its own direction of spin. Besides spinning of Earth, curved rays would push the Earth to move tangentially, but Earth would move in an orbit around the Sun due to semi-centrifugal force. As the orbital speed would increase, distance of Earth from the Sun would also keep on increasing due to semi-centrifugal force.

● (viii) **Position before experiment:**
 Sun spinning; Sun rays on and are curved.
 Earth spinning; Earth rays off.
 Now restore release of rays by the Earth and keep it spinning. Because of curved-rays emerging from spinning Earth, Earth would go further away from the Sun due to repulsion of rays and also by the reflex action of the Earth because of its semi-centrifugal force. Orbital speed of Earth due to reflex force would also increase in an attempt to force the Sun to orbit it (Earth).

● (ix) **Position before experiment: (Normal/Natural)**
 Sun spinning; Sun rays on and are curved.
 Earth spinning; Earth rays on and are curved.
 (At normal/natural position, Sun and Earth both would be spinning, Earth would be orbiting around the Sun and Earth would be little more away due to semi-centrifugal force). At this position, stop spin of the Sun, Earth would start slowing in its spin but would not stop its spin due to spinning of Earth by its own curved-rays. Orbital speed of the Earth would also start slowing down due to no tangently thrust from the spinning-Sun-curved-rays but orbital-speed would not become zero due to reflex action of the spinning-Earth-rays in an attempt to tangently force the Sun to orbit around it (Earth). This concludes that for orbital-speed of the Earth; intensity of rays released by the Sun and Earth it self matter besides some other factors.

● (x) **Stable Orbital Distance (SOD):** Stable orbital distance is

a distance from the Sun, where if spinning Earth is placed and allowed to move in an orbit; there Earth would have perfect circular orbit but under natural setup nothing such or similar could happen. Passage of time and without getting disturbed a body stabilizes its orbit to nearly circular but under Natural set up never to a perfect circle.

Conclusion:

● This experiment, though in 'Brain' but is based on the fact understood from the comet and Sun which proves that it is not the centrifugal force that is keeping the planets away from the Sun, but it is the thrust power of the rays (generated/radiated) by the bodies which are performing the said act. Semi-centrifugal force (a resultant force with direction away from the centre) is just helping the bodies to keep them little further away.

● Application of discovered laws (property of rays) and results visualized under experiment in brain tally with the true functioning/phenomenons of all the bodies/objects in solar/planetary system. This confirms that the property of rays observed, concluded and understood are correct.

● Understanding of discovered property of rays have resulted to solve almost all riddles and queries related to Sun, planets, satellites, asteroids and other small objects/particles etc. (IOIUMU)

What keeps the Earth away from the Sun? Practical in brain with supposed Sun and Earth.		1.	2.	3.	4.
Stationary Sun with its straight rays.					
Stationary Sun with its straight rays.					
Spinning Sun with its curved rays.					
Spinning Sun (as existing) with its curved rays.					

Query-10 for getting answer from the Experts:

Query-10: Why heavenly bodies/objects after getting impacts/ collisions (even massive) have not left the plane of their formation; thus why all bodies are still in a plane even after billions of years?

WORLD:

World speculated that heavenly bodies and other objects/dust etc all are in almost one plane because they all have been formed from a swirling massive cloud (nebula) which on its fast spin turned into a thin disc and from this thin disc, Sun and other bodies have been formed thus all solar system bodies are in one plane.

CHALLENGER:

Challenger has already illustrated that the bodies/objects are not in one plane due to the reasons understood by the World/Experts but this all is due to the sun-rays which form a mirror reflection (image) pattern over the plane passing through the equator of the Sun to keep all the bodies trapped so that all including the sun should remain in one plane.

But for this specific query; i) let us presume that what the World/Experts have understood is correct. ii) Keep in mind the World/Experts understanding (true law) that any object would keep on moving straight unless it is acted upon by any internal/external force. iii) **To have answer of this query, Experts have no concern with the power/thrust of the rays or what has been discovered and illustrated by the Challenger.**

Collision of bodies:

Heavenly bodies are getting collisions/impacts since formation of solar system. The following few observations/conclusions/understandings by the World/Experts would lead to the answer (Expose understandings of the Experts).

Experts understand that:

- Venus has got a tilt of 178° (or 180°); thus upside has gone down by the collision in pre-historical times.
- Uranus has got tilt by collision at 98° i.e., It lied-down by the impact/ collision with a big object/body.
- Comets have collided a number of times during the past with the planets.
- Comets have ice over them, so Earth has got water due to collisions with the comets in the past history.

There is no doubt about the impacts by the objects over the planets/satellites. Above said collisions understood by the World/Experts may or may not be firm with them but **they (Experts) have presumed so thus they understand so.**

Experts: please give answer of the following sub-queries:

- Venus and Uranus got massive collision(s) which tilted their spin axis to greatest magnitude but they have not left the plane in which other planets orbit. **Why so?**
- Venus got massive impact but its orbit plane has not been disturbed, its orbit also remained almost perfect circular and further Sun remained centric to it. **Why so?**
- Uranus has got massive tilt by the collision that it has to lie-down. **What has resulted to tilt the plane of its rings along with its own tilt?**
- Axis of spin/rotation of almost all the planets have been tilted. Experts understand that this tilt to the axis of spin is due to some impact/collision. **If planets have been tilted by the impact/collision then what has resulted to tilt the orbital plane of their respective Moon(s)/ Satellite(s)/ rings?**
- During the past in millions/billions years, big objects and comets have collided a number of times with the planets but no planet or any object/fragment has gone to any other direction to adopt a different plane for its orbit. **Why So?**

● **Practical:** Over the Earth; if different diameter steel, glass and plastic balls (different densities) are kept over the ground/floor and a ball of any material is set in motion to collide. All the collided balls would remain over the ground/floor (or over a plane). Is the space (plane over which the solar bodies are functioning and colliding) acting like a ground/floor for the solar bodies? **Why So?**

CONCLUSION:

You (Experts) Sir have no answer to all the said sub-queries of query No.10. World has to expect sooner or later that it is the Sun-rays which are keeping all the bodies in one plane. On collision, if any object/fragment goes to any direction, Sun rays direct and force these objects to fall in line at its trap-zone.

(G) FINAL CONCLUSION OF ALL THE QUERIES AND DISCOVERY OVER UNIQUE PROPERTY OF LIGHT/RAYS.

CHALLENGER:

Conclusion is self explanatory after understanding the answers of all the queries and by performing experiment in brain as stated. If any one still has any doubt, he/she must read all the pages displayed over CD/website: www.newtonugeam.com irrespective of its relativity understood with the stated subject/Queries.

● **It is the thrust power of materialistic curved rays emitted by the bodies which spins heavenly bodies, keeps them apart, pushes the bodies to move in an orbit/loop-track and also keeps them in one plane.**

Note: It is not the centrifugal force which keeps the bodies away but it is the semi-centrifugal force (a resultant force developed by the push of rays) which results to keep the bodies further away from the Sun than being kept away by the repulsion power of the rays.

● Another unique property of rays (white-matter) is to overlap and to shed overlapping as already stated over the relevant paragraph/query.

(H) SOLAR-EJECTS

(All that Sun ejects is 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 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 of the 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 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 accelerated fast moving solar-ejects (solar wind particles) do not put any 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?** 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 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 has 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 take 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 keep 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 it's 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 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:

FROM INTERNET, Feb 2009

The Solar Wind

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.....

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 give 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 overlapped 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.

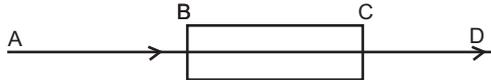
Because of the same fact, speed of light would be slower at the deepest sea bed because of dense water than in water near the surface of the sea which is less denser .

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 an acceleration on it's 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.

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

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

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
<p>New light on black hole</p> <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.

(I) 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).

**Attached OR see under website:
www.newtonugeam.com
Chapter No. 21 (Galaxies) and chapter No.
22 (Black-hole).**

(J) ARTICLE: SEVEN ENEMIES OF EARTH?

Explanation:**What are the seven enemies of Earth?**

1 and 2: (Asteroids and Comets) Experts (Astronomers/Physicists/Space-Explorers) are very much worried about the fate of our Earth, particularly from any collision of asteroid with the Earth. They are worried from the comets too, which always cross the orbit of Earth at high speed while orbiting (passing near) the Sun. They (Experts) are making an attempt to develop means to prevent collision from asteroid(s) but nothing is possible to prevent the comet in case it gets any chance to collide with the Earth.

Challenger: Experts are calculating almost every factor but due to lack of knowledge (discovered property of light/rays), they are miscalculating the possibility at higher magnitude. Chances of collision with any asteroid are there, but that too are less than being predicted/calculated. Further, chances of collision of Earth with any comet is almost thousands times lesser than being predicted/calculated by the Experts because of thrust (Repelling power) of rays emitted/radiated by the Earth and comets. (IOIUMU). From the moment comet starts its journey towards the Sun; due to repulsion power of rays like repulsion by the magnetic rays from the same poles of the magnets, all the planets keep on adjusting their orbital speed as per the intensity of rays emitted by the comet and also their (planets) own generated/radiated rays (IOIUMU). In spite of the fact that comets always emerge with variable mass and orbital period resulting to increase chances of collision but this discovered property of rays is preventing the planets (Big bodies) from collision with the comets (Big Bodies). In case the rays do not have such property, every comet would have collided with any planet in its few visits or comets may have vanished (due to collision) from the Solar system by now. (IOIUMU)

This discovered unique property of the rays is resulting to provide spin to all the bodies; resulting to keep them apart by balancing with the gravity attraction and also forcing the bodies to orbit around the Parental-body. What the World already knows that all is wrong and all based on false and foolish understandings and speculations (Repulsion power of rays is the primary and true force; centrifugal force 'an apparent understood force' is being falsely understood as prime and the only force for keeping the bodies away to move in orbital motion against the gravity pull-force of the bodies. Centrifugal force results to keep the body further away than being kept away by the thrust of rays. In a 'Perfect' friction-less zone, even one ray is sufficient to put its noticeable thrust effect over a body to move/spin). (IOIUMU)

3. Meteors and Meteorites: Meteors and meteorites in individual capacity can not be understood as enemy of Earth but their clubbing effect would result so as stated below under '**Venus**'

4. Venus: Both the planets Venus and Earth are getting bit by bit more and more mass over them due to striking (sucking) of meteors/meteorites and also by the striking of asteroids. Burning of meteors by the friction of atmosphere does not prevent addition of mass over the planet. Due to increased mass but lesser surface area increased as compared to the added mass, these planets are moving forward toward the Sun because of less Sun rays thrust effect as compared to increase in Gravity attraction. Further addition of mass results to increase gravity. Increase in gravity results to release of rays (a state of matter). This process and time factor aided by the vibrations makes the planet more denser, thus resulting to reduce its surface area to more magnitude. So Venus and Earth, both are marching towards the Sun. The same addition of mass to Venus makes it little forward as compared to the Earth due to higher magnitude of Sun rays thrust over the Venus as compared with the Earth. (IOIUMU)

Venus (Venus-core or interior-shell) too had once wide orbit like Earth and Earth (Earth-core or interior-shell) was far away from the Sun than at present. Venus (Venus-core or interior-shell) had water and life too similar to what Earth has now but Venus has

lost all its life and water on approaching near the Sun. Earth is moving ahead like Venus has moved, so one day fate of Earth too would be like Venus.

When Venus and Earth, while orbiting come closer, Venus gazes at the Earth due to proximity (gravity) and also due to the reverse spin direction (IOIUMU). This is an indication and pre-symptoms that one day both (Venus and Earth) would go closer resulting to have a collision or clubbing. (Similar collision/clubbing have already taken place to form the planet 'Uranus' from two nearby planets). Titled axis of spin of Uranus at 98° because of clubbed shape of core proves this type of clubbing. (IOIUMU)

Presence of Moon in between the Venus and Earth can play a vital role for early collision/clubbing than in its (Moon's) absence.

5. Jupiter: (Mass of Jupiter comprises of some 70 percent of the entire mass of solar system, excluding the Sun.)

No one has yet thought of it (Jupiter) that it is the biggest future enemy of all the planets including other small objects like, meteors/meteorites/asteroids.

Mighty-Jupiter has been formed from the smaller objects (smaller than the existing asteroids of Asteroid-belt). IOIUMU.

Like other planets, it is also marching ahead towards the Sun by getting more and more mass from the Asteroid-belt. Recently it has swallowed two asteroids from the Asteroid-belt. Addition of mass results to generate more rays, thus it gets pushed back it self a little by its own more generated rays and again starts its forward journey to swallow another asteroid.

Thrust over Asteroid-belt by the generated rays of Jupiter keep on colliding asteroids from the Asteroid-belt which falls/comes near to it. This act results to form chips and smaller objects. Chips and smaller objects move for wider orbit because of the thrust of Sun rays. Fine particles/chips get trapped in rings of the following planets (Saturn, Uranus and Neptune) and the remaining matter/particles which escape trapping in rings goes far off. (Chips and small objects formed by the Jupiter-rays from the asteroids, which escape far off are being collected/swept by the comets. Comets shed these collected chips/objects in the form of meteors and meteorites while visiting the Sun because of their accelerated high speed and powerful Sun-rays, resulting to add mass over the planets.) Small objects formed, which could not be pushed away by the Jupiter rays are being sucked to build it self bigger and mighty (IOIUMU).

One day Jupiter would swallow all the asteroids in the Asteroid-belt resulting to vanish the Asteroid-belt. Its next victim would be the Mars and then next would be the Earth.

Prior to Earth it may also swallow its following planets (Saturn, Uranus and Neptune).

- Jupiter would be emerging as a challenging powerful body for the fading Sun. Jupiter **may** swallow the fading/weaker Sun or merges into the Sun to restart formation of **new solar system**.

IMPORTANT NOTE: Above said observation and understood future phenomenon of colliding Earth with any other body or object has been stated by considering Sun a body having constant gravity-pull and magnitude of released rays but both these factors are variable with the passage of time.

- **Gravity of the Sun:** Due to generation and release of rays (white matter), Sun is losing its mass thus gravity magnitude from its origin period.

- **Magnitude of rays released by the Sun:** This factor is baffling the Challenger/World to understand the results. After ceasing nuclear fusion, Sun would definitely keep on losing intensity of rays and also would swell in size due to low pressure/thrust of escaping rays and lower gravity-pull of the Sun.

From the day, the planets have been formed to till the Earth would have collision or clubbing with the stated planet/object, magnitude of the Sun-rays matters. Challenger has observed that Sun has almost constant magnitude of rays from its origin (start of nuclear fusion) till nuclear fusion persists because Challenger has observed that nuclear fusion is occurring over a shell, deep inside the Sun (IOIUMU). As the surface area of this shell is almost constant irrespective of Sun's mass/size, so generation and release of rays is almost constant except some disturbances over any part of the Sun.

(Challenger observed this set-up because there is no other set-up possible inside the Sun other than nuclear reaction to occur over a specific shell which only can yield continuously for long period a steady quantum of energy/rays/white-matter irrespective of the quantum of nuclear fuel the Sun has.)

Other aspect regarding magnitude of Sun rays is that, magnitude of rays is declining with the passage of time.

- **Expanding Universe:** Expansion of Universe results to enlarge proportionally the orbit of planets, which is not more than a few centimeters/meters per year, though outer most expansion in the Universe would be of millions of Kilometers per year.

- **Past and the present factor:** During the past scattered masses/ objects were in great numbers/quantity than at present, so the planets/satellites were getting greater mass per unit of period than at present thus planets were marching ahead faster towards the Sun.

Now the present Experts are observing/calculating that the Moon is going away from the Sun, so the Earth too would be going away from the Sun or widening its orbit. The distance of the Earth from the Sun or Moon's distance from the Earth which the Experts are measuring today would not tally with the past due to the fact as stated below:

During the past when planets were getting mass (increasing gravity) at the faster rate; the effect of their going away from the Sun due to expansion of Universe and by the lowered gravity-pull of the Sun (by the loss of Sun's mass) was not resulting (as being measured/observed presently) due to greater forward effect (by the addition of mass) than the reverse effect (going away effect).

Conclusion: Movement of planets is governed by the magnitude of Sun rays; magnitude of the rays emitted/radiated by the planets, density and size of the planets; gravity of the Sun and planets. Magnitude of the mass got/added by the planets. Computing effect of the said facts are providing (would-provide) the results/collision /clubbing phenomenons.

The present observations (calculations) that Moon is going away from the Earth thus Earth too would be going away from the Sun (or widening its orbit) has no relevancy with the past happenings/situation).

6. Our own Galaxy: Central massive stars of our own galaxy (Milky Way) one day would engulf Earth along with all the matter of the galaxy. Milky Way has number of massive stars (called by the Challenger as SUNs) at the centre of it, which are forming a galactic-bar. With the passage of time, one day one SUN among these massive SUNs would turn weaker in emitting its rays. Weaker SUN would be engulfed by the adjacent massive SUN resulting to trigger transformation of our galaxy into a black-hole. This would result to pull us all along with Earth like whirl-pool rotation into a black-hole making every thing compact to unbelievable small size.

Explanation: Under chapter No. 21 (Galaxies)

7. The Moon of the Earth:

The Moon, a life partner of the Earth would one day by sacrificing it self would wipe out life from the Earth to make the Earth more bigger. A planet (from Mercury to Mars) always makes a following small planet its satellites but as it (planet) grows bigger and bigger and it moves forward towards the Sun along with its satellite or towards the ahead (greater-mass planet). This results to a state, when the planet engulf its own satellite. The same fate would be with the Moon by the Earth. Moon is not enemy of the Earth but would prove to be the enemy of life over the Earth.

Conclusion:

- This all and much more beyond your expectations can be well understood only after going through complete pages of '**MATERIALISTIC UNIVERSE**' over the Internet: Website: www.newtonugeam.com

- **Sooner or later, fate (future) of our Earth is bleak and vanishing.**

(K) Highlights about some discovered-understandings over the Moon.

Following riddles, queries/open issues have been solved by understanding unique property of light/rays and true working mechanism of solar planetary system:

- **The Moon, by causing solar-eclipse has provided by its total solar eclipse-photograph a proof of the unique property of the light/rays which has been discovered/understood by the Challenger.**

- **Was Moon prior to becoming a satellite of the Earth a following small planet of the Earth?**
Yes. Read explanation under the origin of Moon.

- **Origin of the Moon:**
Not exactly, what the World understands. Much more is there to arrive at perfect conclusion.

- **Why orbital plane of the Moon does not coincide with the equatorial plane of the Earth?**
World has not yet conceived this query because they have not yet understood unique property of light/rays.

- **Why are the volcanic eruptions and maria over the Moon concentrated on the side near to the Earth or facing the Earth?**
Riddle solved by understanding the rays' factor.

- **Why meteors which strike Moon had some pattern according to there sizes?**
Riddle solved by understanding gravity and the rays' factor.

- **What causes mysterious quakes that vibrate through lunar rocks over the side of Moon which is away from the Earth?**
Riddle solved with the experiment in brain by the factor of Earth's gravity over the stationary (non-spinning) Moon.

- **Does Moon have water?**
No; Moon could not have liquid water like Earth has even at its colder sides due to higher gravity of the Earth and because of stationary (non-spinning) Moon situation; it may have water in the form of ice at the permanent colder regions. (Traces of water or hydroxyl over the Moon is a different subject).

- **Is tidal-bulge-lock over the Moon due to the gravity (pull) of the Earth and vice versa?**
World has understood the secondary reason but not the primary. Primary reason is the rays of the Venus because Venus spins in the retrograde direction. Venus rays intend to spin the Moon in the reverse direction than in which the Earth's rays intend to spin the Moon. Thus

- **Is tidal friction of the Moon responsible for continuous slowing and slowing spin-speed of the Earth?**
No. World has wrong understanding; Earth is slowing its rotation due to some other factors not yet known to the World.

- **Why the Moon always faces the same side towards the Earth?**
World has understood the secondary reason but not the primary.

- **Why is the Moon's dense core off the centre?**
World has understood the secondary reason but not the primary.

- **Is density calculated of the Moon correct?**
Not correct because World has ignored rays thrust/repelling factor.

- **Why Moon is closer to the Earth when it is closer to the Sun and further away when away from the Sun?**
Riddle solved by understanding the rays' factor.

- **Is the Moon moving away from the Earth?**
Riddle solved. Moon is not escaping from the Earth, only apogee is increasing but whereas perigee is decreasing.

- **Why we have twelve months in a year and seven days is a week?**
Query and also the answer is by the Challenger.

- **Forecasted fate of the Moon that how and when Earth would engulf the Moon?**
Explanation by understanding rays' factor proves and confirms so that the Earth one day would engulf the Moon.

Besides above all:

- **Densities calculated of all the heavenly bodies by ignoring rays' thrust factor are wrong thus the density of the Moon.**

- **Basics understood over the subject Astronomy by the World are false thus Astronomy of the Moon.**

- **Much more new understood and explained in this chapter which is beyond explanation and brain/eye opener.**

Note: Illustration under the chapter: MOON.

Get reward[#] (Not prize but reward) Rs. 50 Lakhs (Five million) OR equivalent US Dollars by proving wrong the Challenger: Ramesh Varma

Attention! Science students/ex-students
(Matriculate to M.Sc. Or any highest academic qualified)

**Get reward[#] (Not prize
but reward) Rs. 50 Lakhs (Five million)
by proving the Challenger: Ramesh Varma
WRONG**

Over the challenged subject
'Astronomy' & some basics of Physics.
(Working mechanism of solar/planetary system based
over unique property of light/rays discovered by him.)

**NOTE: No need to peep through telescope for
Astronomy.**

**No need to peep (see through) microscope
for Light/Rays.**

Challenger (Ramesh Varma) has proved
existing understandings with the Experts (concerned)
as incorrect over the challenged subjects 'Astronomy
(Basics of Astronomy) & some chapters of Physics
(basics of light/rays) through four **SCIENCE HITS** and
also through '**Ten-Queries**' as answered. Some
speculations existing with the concerned over the said
subjects are not only wrong but have been proved
foolish in chapter No.19 under **MATERIALISTIC
UNIVERSE** over the

Website: www.newtonugeam.com

Science students/ex-students who would prove
scientifically in writing the Challenger wrong over his
understanding/challenge over functioning of
Solar/planetary system based over unique property of
light/rays discovered by him would get a reward[#] of **Rs.
50 Lakhs (Five million) or equivalent US Dollars**.
Last date of receipt of said proof has been extended to
30th June 2011 and reward would be given before 31st
Dec, 2011.

In case you agree with the Challenger that he is
right over his claims, please send your consent to join
proposed Club (True Astronomy & Science Club) at the
address given over website to fight for its acceptance
with the Concerned Authorities.

Note: If you can not prove the Challenger wrong over
his discovery; it is self explanatory that knowledge with
the Experts/Concerned thus with you over the said
subjects is wrong.

Alas !

**If Discoverer had trillions of dollars with him,
he would have offered a reward of billions of dollars
(for proving him wrong over his said discovery) to
wake up the World from deep mind-set routine.**

**# Terms and conditions over the
reward money:**

- Challenger is confident that there would be
no one who can claim the reward, however if there
would be more than one, the reward[#] amount **Rs. 50
Lakhs (Five million) or equivalent US Dollars**
would be distributed equally among the reward
winners.

- Reward claim cannot be filed any where
else, except under the Jurisdiction of Chandigarh
(UT) India.

- Subject to rules and regulations guided by
the Government of India.

- Note:**

**For getting claims over the reward money
you have not to prove your own knowledge
capability for the answer but you are at liberty to
take help from any organization or individual,
like:**

- NASA Headquarters,**
Washington, DC 20546-0001(USA)
- ISRO Headquarters,**
Antariksh Bhavan, New BEL Road,
Bangalore-560 094 (Karnataka)
- Physical Research Laboratory,**
Navrangpura, Ahmedabad-380 009 (Gujrat)
- Indian Institute of Astrophysics,**
II Block, Koramangala,
Bangalore-560 034 (Karnataka)
- Homi Bhabha Centre for Science
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and Astrophysics,**
Aundh Gaon, Pune (Maharashtra)
- Any Astronomer/Physicist** who publishes
articles/queries in the Newspapers under
Science columns over related subjects.
- Your tutor/Professor etc.**