

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).

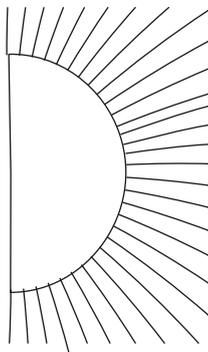
by Ramesh Varma

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

Some very important highlights of the discovery/ understandings:

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

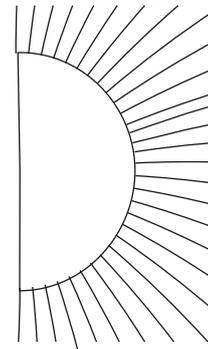
1. Where has the lost mass of the Stars/Sun gone?



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

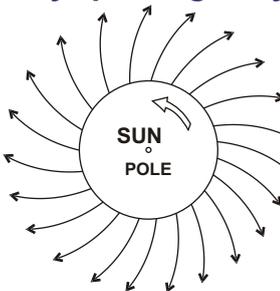
2. Rays are materialistic:



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

Proof: Under chapter: STATES OF THE MATTER

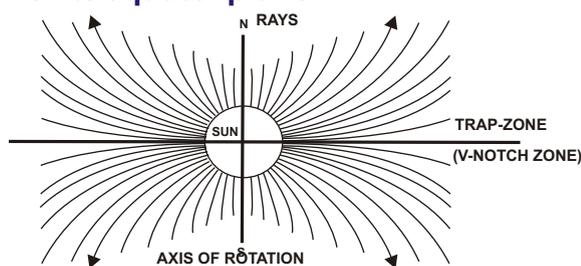
3. Materialistic rays on emerging from any spinning body adopt curved path:



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:

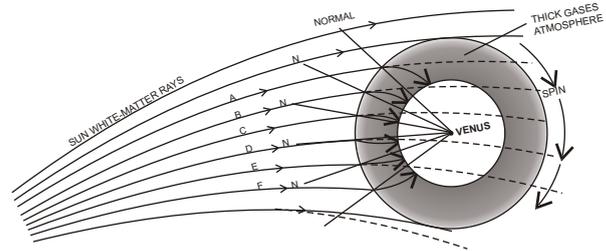


(Pattern of rays as viewed from equator plane).

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

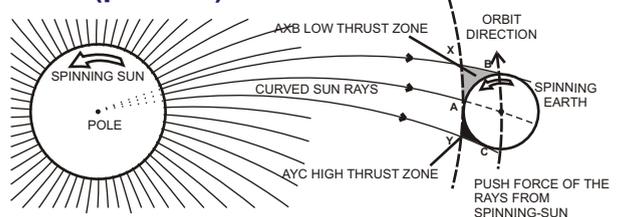
5. Materialistic curved rays spin Venus retrograde:



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.

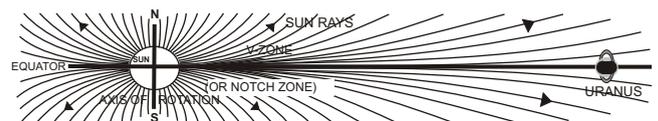
How? Read in brief under: TEN QUERIES.

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.

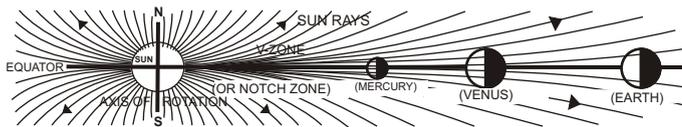
8. Materialistic rays spin the Uranus with tilted axis parallel to its orbital plane because of unique shape of its solid core:



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.

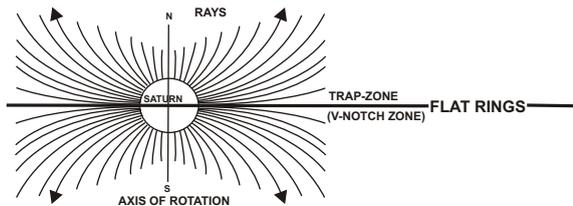
9. Materialistic rays keep planets over a flat plane:



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:

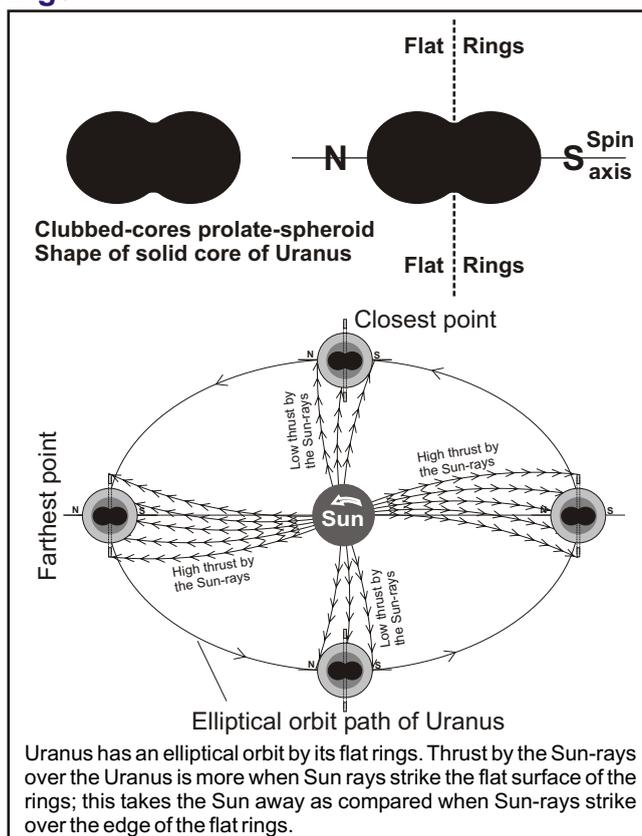


Challenger: Materialistic curved rays are arranging matter around Saturn (any planet which radiates more rays or energy than it receives from the Sun) in the form of flat-rings over trap-zone plane.

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.

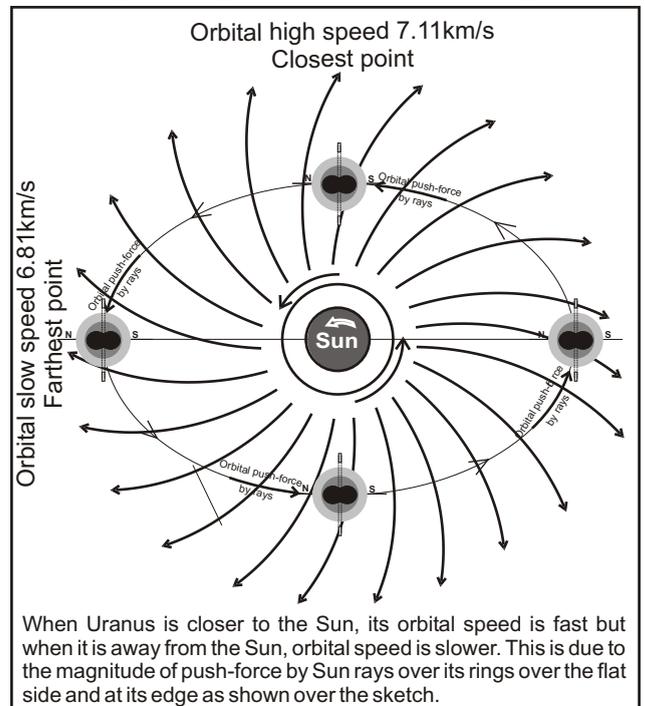
11. Materialistic rays form elliptical orbit of the Uranus because of its flat rings:



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)

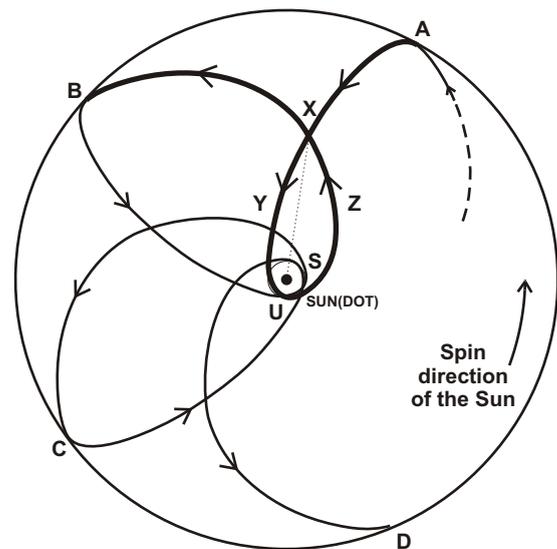
FROM THE SUN: Sequence of the planets/objects because of thrust by the Sun rays depends upon numbers of other factors.

- 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 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.

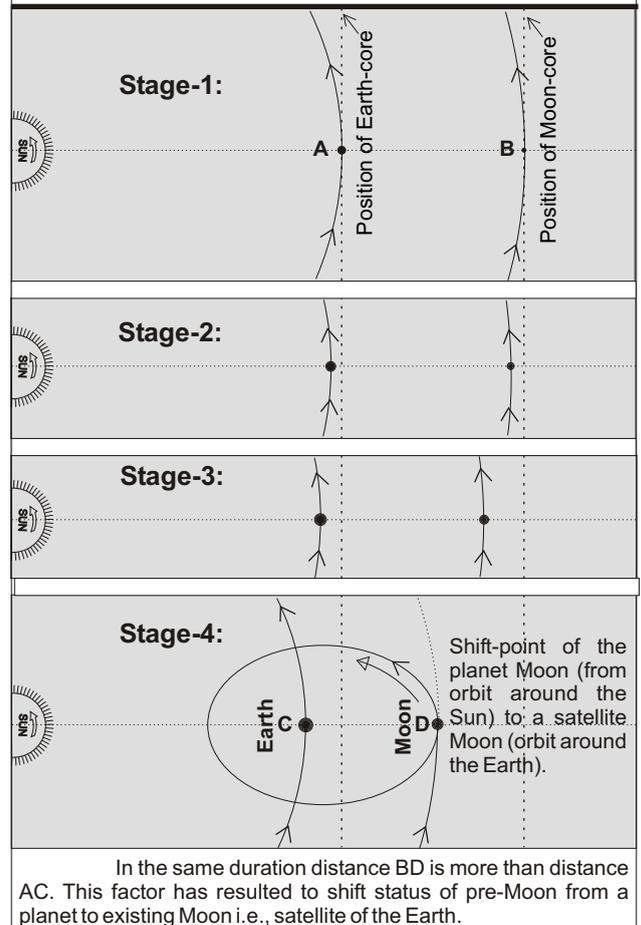
Origin of the Moon:

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.....

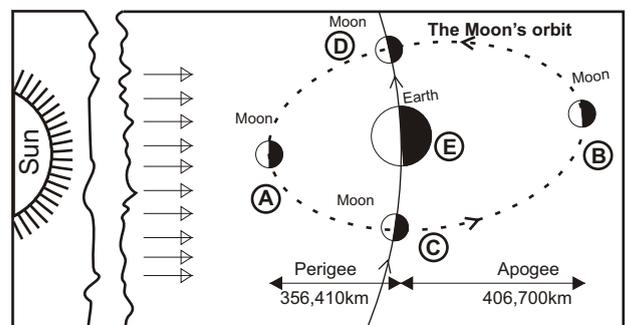


Conclusion:

• 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.

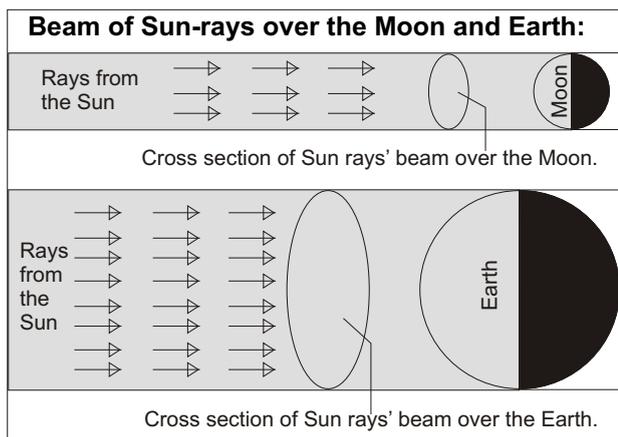
Comparison of thrust magnitude of the Sun rays over the Moon and the Earth to understand orbit of the Moon:

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: $22 \times 7 \times (27 \div 2)^2 = 572.78$ say 573 square area units.

Earth: $22 \times 7 \times (100 \div 2)^2 = 7857.14$ 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).

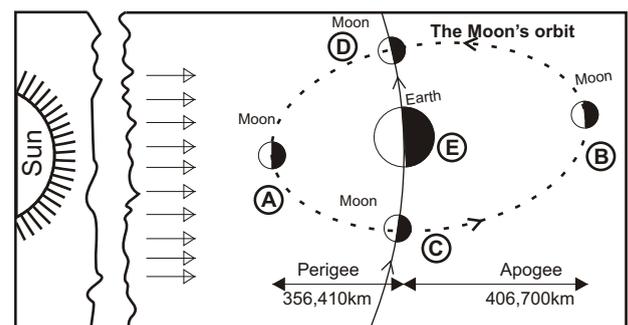
Is the Moon moving away from the Earth?

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:

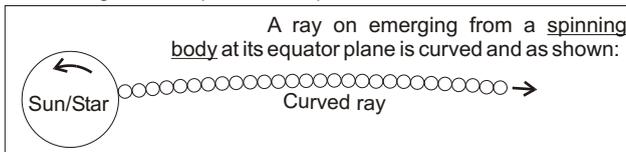
1. Sun/stars lose mass on releasing rays (energy) and mass of Universe is constant thus rays are not merely a form of the energy but rays are materialistic (a form of the matter) with additional property to act as energy under specific conditions.

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).

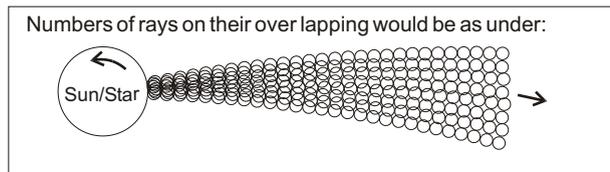
3. A ray of light of any kind is consisting of microest particles; all particles are closely touching each other to form a row or a ray.



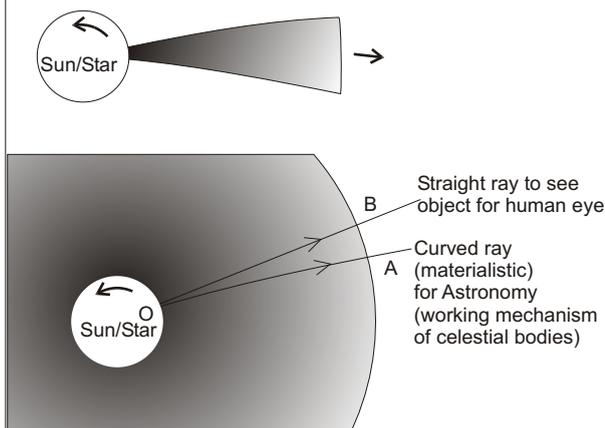
4. A ray consisting of materialistic microest spherical particles on its escape from any spinning celestial body does not travel straight but adopts a curved path.



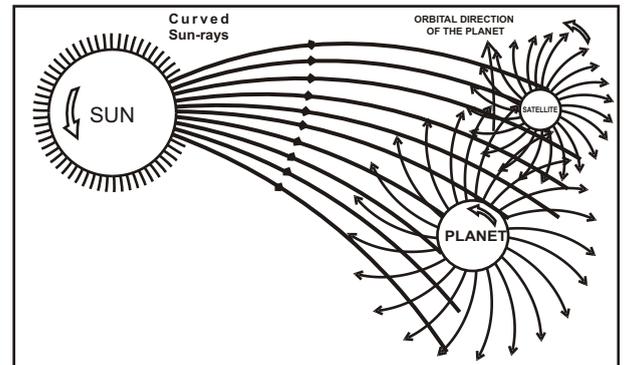
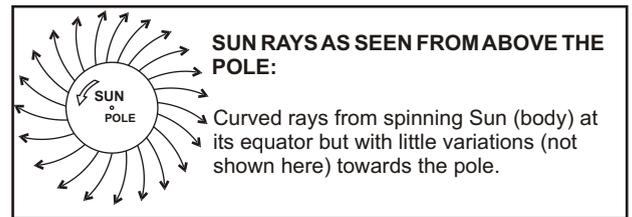
5. Particles of the rays are of spherical shape and have unique property to overlap and to shed overlapping to become dense or rarer on its propagation path.



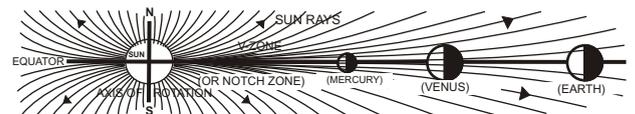
Note: For optical purposes this unique property of light/rays apparently results to notice that light/rays travel straight. To understand this property, rays should be understood in its microest form, similar to as shown over the sketch as under.



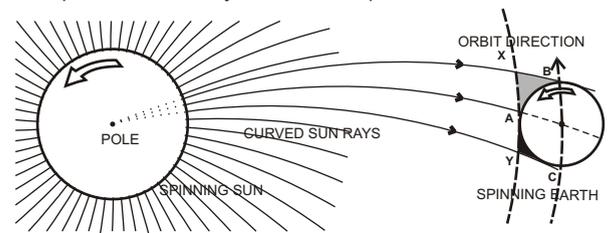
6. Curved materialistic rays on emerging from a spinning celestial body put torque thrust pressure on leaving the body and also on its strike over the adjacent and effective range bodies to give it a spin force.



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:

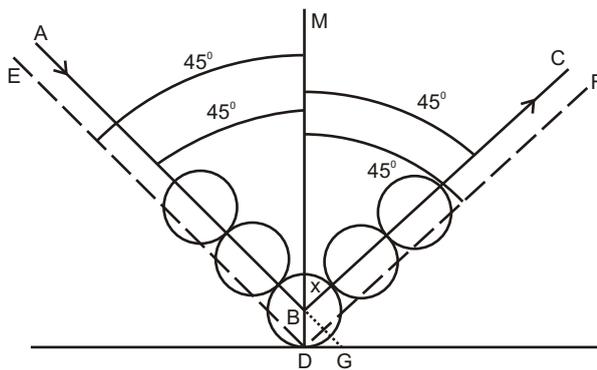
The said unique properties of the rays have been proved by understanding true working mechanism of solar/planetary system and correctly understanding the both (light/rays and solar-system) has further resulted to understand true working mechanism of the galaxies, black-holes and the Universe as whole.

PART4-B:

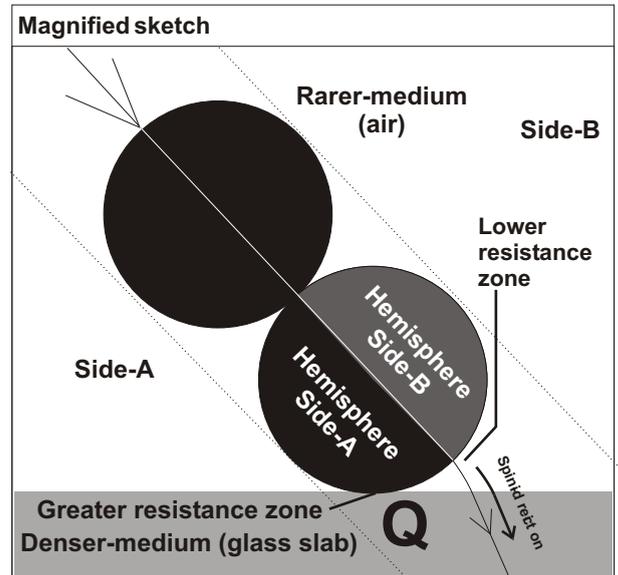
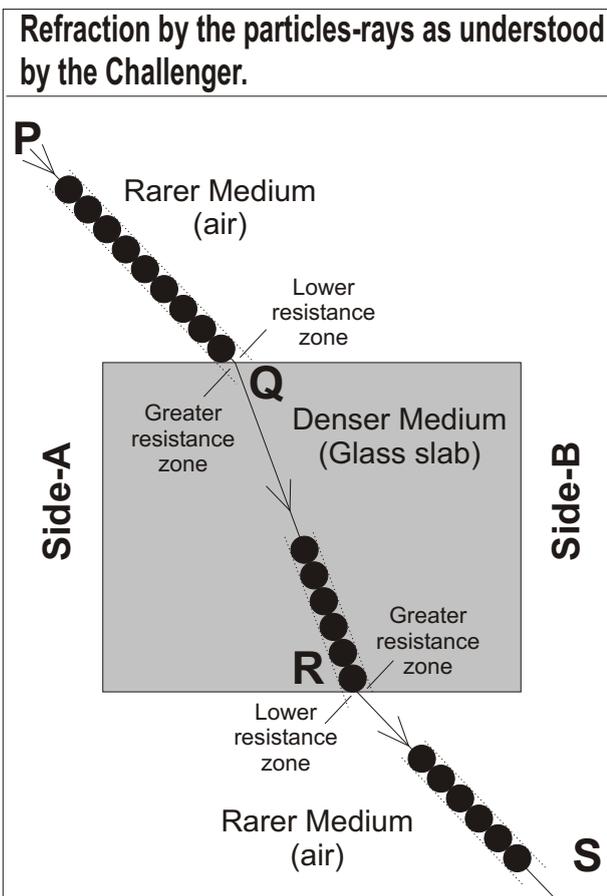
Understandings/proofs of unique properties of light/rays claimed by the Challenger:

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:

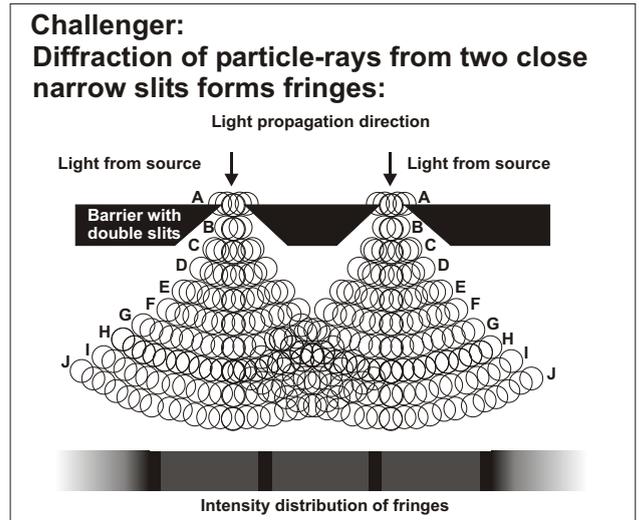
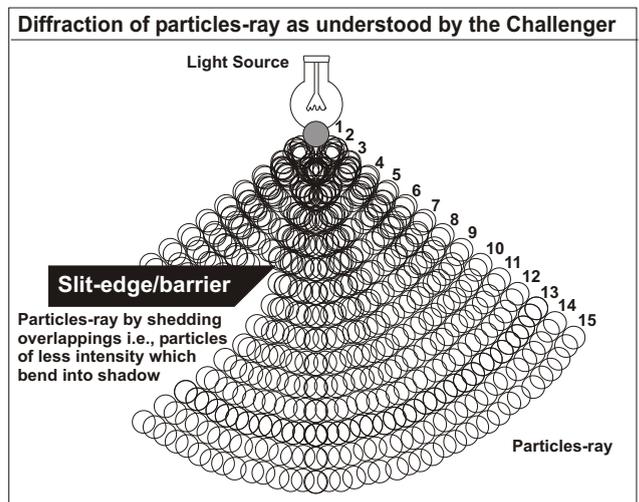
1. Reflection of rays consisting of microest spheres:
Here only sketch, explanation is under chapter: **States of the matter.**



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.**



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.