

Materialistic Universe

(Edition-2; Year 2024)

A unique book ever published in the world; its contents (*discoveries*) would lead to rewriting the stated subjects.

(The 1st preliminary edition was released on 7th April 2007)

**How do we work in the solar system?
No one has previously understood the correct method;
Ramesh Varma knows how it works correctly.**



Subjects:

Astronomy:

New and contrary discoveries regarding the formation and working mechanism of celestial bodies.

Physics:

True physical and materialistic particle properties of light (*and other types of rays*) and the invisible states of matter.

Miscellaneous:

Other related discovery claims.

Existing knowledge worldwide regarding the above subjects is based on theories, hypotheses, postulations, and speculations. (*The meaning of these English words denotes tentative supposed information, likely to be challenged and proved wrong.*)

An important truth:

The world cannot correctly understand the above subjects through any means, not even by developing super-telescopes, super-computers, or super-artificial intelligence, unless the world incorporates the discovered and claimed information or data into their computers and devices, making both subjects (*Astronomy and Physics*) compulsory for every concerned individual (*physicist and astronomer*).

The prime motive of the author is to rectify incorrect academic knowledge regarding some basics of the stated subjects, which have persisted due to mindset for centuries.

Discoveries* claimed and written by Ramesh Varma (India):

Just a BSc Graduate (1966) from Government College, Chandigarh (*Punjab University Chandigarh, India*).

***Discoveries:** Made without peering through a telescope/microscope but through brain visualization of the phenomena and scientific facts.

Nature is God

During a span of billions of years, humans numbering in the sextillions have been born and gone, but why has Nature reserved the task of discoveries for the Author?

The Author does not know.

Discoveries took the Author's best years of his life, from the 1980s to the present. Had he not been engaged in this task, he thinks he and his family would have enjoyed those years as they should have.



The Author alone can't achieve the goal; he needs someone with a dynamic personality who has influence in the world.

For whom this task has been reserved by Nature, only Nature knows.

Note:

Suggestions and amendments are welcomed from those concerned.

Anyone has the right to comment. Ensure your comment is made after reading and understanding the contents of the book.

It is in your own interest not to make any adverse comments on the discoveries unless you have read the complete book. Sooner or later, the discoveries will find their acceptance.

The world's stakeholders took more than two millennia from the first observation of a round Earth to understand and accept that the Earth is round, not flat as previously believed.

In past history, those who commented adversely about the shape of the Earth, not accepting that it is round, had to face the consequences later (*perhaps even in their graves*).

Read the inside page of the back cover to discover some key factors in flash format that have kept the Concerned away from correctly understanding the subject of Astronomy.

Some key factors in flash format

that have kept the concerned away from correctly understanding the subject of Astronomy:

1. Status of World's Knowledge:

Existing knowledge worldwide regarding the subjects of claimed discoveries is based on theories, hypotheses, postulations, and speculations. The meanings of these English words denote tentative information, likely to be challenged and proved wrong.

The world cannot correctly understand the subjects of claimed discoveries through any means, not even by developing super-telescopes and supercomputers, unless it incorporates the discovered and claimed information or data into these devices. This makes both subjects (*Astronomy and Physics*) compulsory for every concerned individual (*Physicist and Astronomer*).

2. Light:

(Physical and materialistic particle properties of the light and other kinds of the rays).

The world understands that light possesses dual properties as both a wave and a particle. However, the world does not correctly grasp how light rays propagate in the form of particles and how these particles, in their propagation, adhere to the laws of reflection, refraction, and diffraction, among others.

In fact, a light ray consists of closely touching ultra-micro materialistic spheres. Due to this closely-packed structure, light rays from rotating celestial bodies follow a curved or spiral path. This, and the materialistic particle properties of the rays, along with gravity, are crucial for the functioning of celestial bodies.

Further, the author concludes, based on knowledge and understanding, that a photon indeed possesses mass, but due to linking its speed to the equation $e=mc^2$, it is erroneously considered to have no mass. In reality, it is incorrect to associate the speed of light (*photon*) directly with the equation $e=mc^2$; 'c' should represent a constant, i.e., 3×10^8 . This implies that if a human or any object were to travel at the speed of light, its mass would be zero.

In truth, only objects with zero mass can travel at infinite speed (∞), but the speed of light (*photon*) is not infinite. Due to the resistance of the white matter medium in space, photons have a limited (*restricted*) speed of 3×10^8 m/s. Hence, photons possess mass.

3. Invisible Space Matter:

It is commonly believed that galaxies contain more than 90 percent invisible mass, known as dark matter. However, in reality, this is not unknown invisible matter referred to as dark matter. Instead, it is invisible white matter—comprising particle rays of light, independent material particles, gases, and other substances released by stars and celestial bodies over time as they lose mass.

4. Observation of Free-Falling Bodies:

No two free-falling (*or Earth-attracted*) objects of different densities and sizes (*volume*) can touch the ground at the same time due to the resistance of air. Space is occupied by white matter, so this fact also applies in space.

Both Aristotle's and Galileo's observations on free-falling bodies are crucial for comprehending the workings of the solar and planetary systems, but scientists have ignored them. The author argues further that the world has overlooked the resistance posed by white matter in space, leading to a flawed understanding of astronomy.

5. Gravity and Celestial Mechanics:

Gravity is not the sole factor in the movement of planets and the solar system. It works alongside the forward, backward, and lateral thrusts/pushes from generated and radiated material particles curved rays.

Planets formed from the particles of the flat disc that once surrounded the protosun. As a planet grew larger, its orbital distance shortened. Orbital motion for the disc particles and the formed planets was/is provided by the lateral push from the material particles curved rays emerging from the rotating Sun. The orbital lateral push force continues to increase due to the ever closer approach to the Sun and the acquisition of greater volume. This factor, along with gradually acquired kinetic momentum, keeps increasing the orbital motion speeds of the planets. The gain in orbital speed can be observed over a long period (*some millennia*). This fact has been overlooked by the Concerned due to the **large time scale** of celestial bodies.

6. Large Timescale of Celestial Bodies:

To calculate the movement, rotation, and position of celestial bodies, scientists rely solely on the gravitational factor, neglecting to account for **resistance factors** and the above-stated **energy mechanisms** that drive celestial movement and overcome these resistance factors. Their **calculations*** remain accurate because these resistance factors and energy considerations remain relatively constant over celestial bodies for centuries or even millennia. Had the intensity of these factors fluctuated within a year or even a decade, the concerned would not have gone in the wrong direction to know formation and working mechanism of celestial bodies (*solar system*).

***Calculations:** When and where a lunar/solar eclipse would be visible; when and where a planet in the solar system would be after a year or so, and much more like this.

7. Much more is in the book.

Materialistic Universe

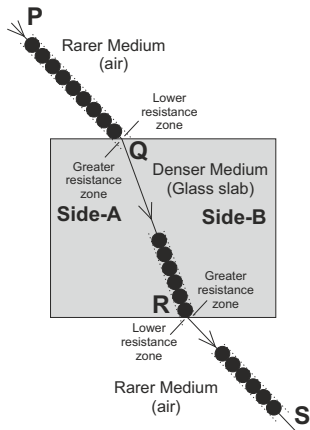
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Some important sketches depict (i) how do materialistic particles curved rays propagatate from rotating celestial bodies (such as the Sun or planets) and (ii) how these rays provide the working mechanism for celestial bodies through various thrusts (backward, forward, and lateral).

Refraction of Light Rays:

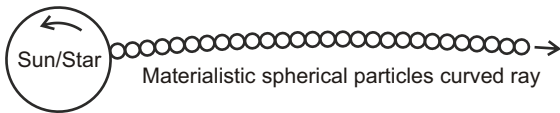
The author explains refraction by detailing how, upon entering a denser medium, the spherical particles of a light ray face varying resistance on different hemispheres. This unequal resistance causes the ray to bend as it enters the denser medium.

When a monochromatic particle ray PQ from a rarer medium touches the denser medium at point Q, the ultra-micro sphere at the interface experiences differing resistance on its hemispheres (Side-A and opposite Side-B). This difference in resistance causes the particle to spin slightly, resulting in the bending of the materialistic ultra-micro sphere (particle), and thus, the ray bends toward Side-A in direction QR.

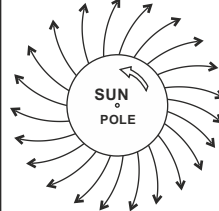


The ultra-micro sphere (materialistic particle) in the ray QR at entry point to rarer medium, upon touching at R, again encounters a difference in resistance on its hemispheres, but in the opposite magnitude to that at Q. Consequently, the ray particle at R spins slightly, bending the ray QR in the opposite direction to adopt the path RS.

A light ray composed of materialistic spherical particles closely touching each other does not propagatate straight from a rotating celestial body but instead adopts a curved/spiral path.



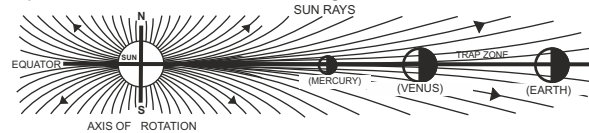
The back thrust generated by the outgoing materialistic particles curved rays is responsible for imparting rotation to the Sun or planet.



The pattern formed by the outgoing materialistic particles curved rays from the Sun or planet, as seen from above the pole, guides other ejected independent particles along the same path. In essence, the materialistic particles curved rays act as guided paths for the independent particles.

Mirror Reflection Pattern:

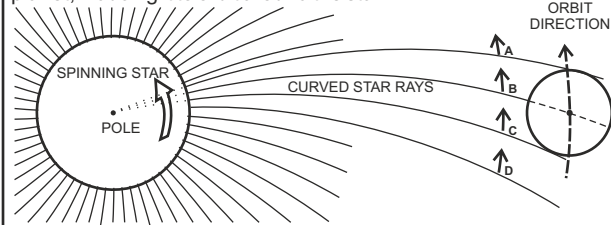
The curved rays create an invisible mirror reflection pattern across the equatorial plane of the spinning star. This pattern acts as a trap-zone for celestial bodies orbiting around the star.



Orbital Motion:

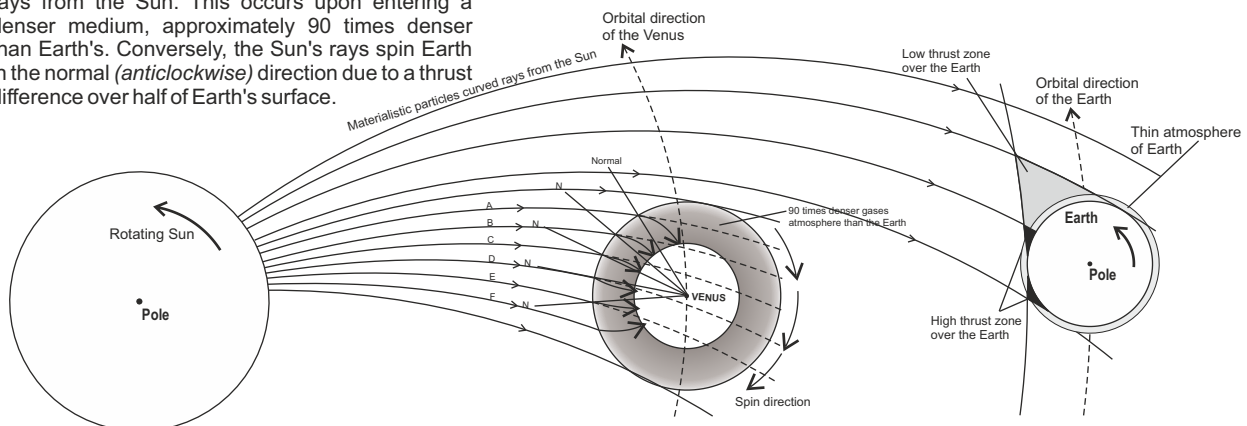
The materialistic particles curved rays from the spinning star act like fine bristles, providing a lateral (side) push to the trapped celestial bodies, causing them to orbit around their host star.

Explanation of how materialistic particles curved rays from the star provide orbital motion to the planet: The materialistic particles curved rays (labeled as A, B, C, and D) emitted by the spinning star function as fine bristles. These rays exert a lateral push on the planet, inducing it to orbit around the star.



A sketch illustrates the clockwise spin of Venus induced by the bent materialistic particles curved rays from the Sun. This occurs upon entering a denser medium, approximately 90 times denser than Earth's. Conversely, the Sun's rays spin Earth in the normal (anticlockwise) direction due to a thrust difference over half of Earth's surface.

Why does Venus rotate in the retrograde direction, while Earth rotates in the same direction as the Sun?



In the past, Venus rotated counterclockwise. However, as it approached the Sun and gained a denser atmosphere, it flipped its rotation direction. The present **angular momentum*** of the planets has gradually accrued over millions of years as they grew larger and approached the Sun. The working mechanism described by the materialistic particles curved rays overcomes resistance factors to rotation, as outlined in the book.

***Angular momentum**: While the prevailing belief is that planets acquire angular momentum during their formation from the collapse (compactness) of rotating segments of the solar nebula, this understanding is incorrect and false.