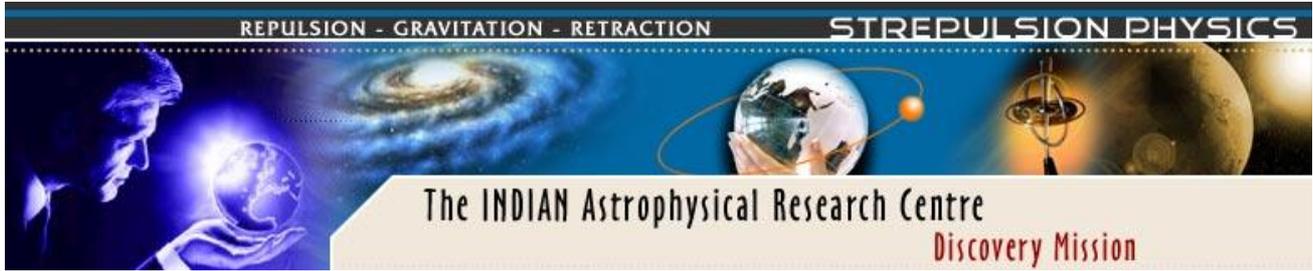


**STREPULSION PHYSICS (Repulsion – Gravitation - Retraction)  
The INDIAN Astrophysical Research Centre  
(Discovery Mission)**



**STREPULSION-PHYSICS PART-III**

**DARK REGIONS OF THE VIOLENT UNIVERSE REALITY, FICTION & FANTASY IN  
SCIENCE**

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## **DARK REGIONS OF THE VIOLENT UNIVERSE**

### **WHERE WE ARE IN THIS VIOLENT UNIVERSE?**

....Neutron Stars and Black Holes....Dark-Matter and Dark-Energy....Exploding and Colliding Galaxies....Quasars....Expanding Universe....Big-Bang Waves....Gamma, X-Rays and Cosmic Rays Radiating Stars....Radio Pulsating Binaries....Spacetime Web and String Theories....Anti-matter Stars and Galaxies....

What an advancement in Physics and Astrophysics !

**BUT HOW MUCH WE KNOW ABOUT THE ULTIMATE REALITY OF THE UNIVERSE ? WHERE WE ARE REALLY IN THIS VIOLENT UNIVERSE ?**

Dear Reader, in this 21st Century of 3rd Millennium, will you please answer 3 simple humble "stone-age" questions ?

- 1) **WHY THE EARTH DOES NOT FALL UPON THE SUN ?**
- 2) **WHY THE EARTH REMAINS IN FIXED ORBIT AROUND THE SUN ?**
- 3) **BY WHICH FORCE THE EARTH REVOLVES & ROTATES ?**

**NOTE: DO NOT USE OR CONSIDER FICTITIOUS AND NEGATIVE SCIENCE FACTORS AS BELOW WHEN ANSWERING ABOVE THREE QUESTIONS.**

**(1) CENTRIFUGAL FORCE, (2) INERTIA and (3) SPACETIME CURVATURE OF GTR ARE PROVED NON-EXISTING AND FICTITIOUS FACTORS. SO, DO NOT CONSIDER THESE FACTORS WHEN ANSWERING ABOVE QUESTIONS.**

If you answer the above three question with above conditions and without support of Strepulsion-Physics, we will honour you with presentation of INARC's GOLD-MEDAL OF MILLENNIUM.

We have already tried with leading National and International Universities and Science Colleges. Still no one has answered up today. I do not know about your answer.

There is no SCIENTIFIC answer for above three simple questions in present Physics and Astrophysics, because the whole edifice of the Physical Science is based on wrong foundation. There need major corrections and modifications in four Centuries old Galileo's concept of INERTIA, three Centuries old Newton's LAW OF UNIVERSAL GRAVITATION and with one Century old Einstein's GENERAL THEORY OF RELATIVITY. At present, these theories are inefficient and confusing to understand the widened dimensions and unknown regions of the Universe of the third Millennium.

There are SCIENTIFIC answers for these THREE QUESTIONS in STREPULSION-PHYSICS (STRP) without utilizing Negative Science Factors. However, in answers, you will hear thunderous cracking and collapsing sounds of edifice of OLD SCIENCE, which was built on slipping sands of Time.

**STREPULSION PHYSICS (Repulsion – Gravitation - Retraction)**  
**The INDIAN Astrophysical Research Centre**  
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STRP is the new section of Science established with 50 years of efforts by Navinchandra Shah and developed by Pankaj and Padmini Jain of INARC, Hubli (India). STRP consist corrected and modified version of Galileo, Newton and Einstein's Theories of Physical Science.

The answers for three questions in STRP are as below:

**STREPULSION-PHYSICS (STRP):**

**THE UNIVERSAL LAW:** The physical Universe is balanced by two reverse forces: 1) **ATTRACTION** and 2) **REPULSION**. The physical Universe is in Spherical Motion by third force and that is **RETRACTION**. **STELLAR BODIES** (the Sun and Stars) exert force of **REPULSION**. **NON-STELLAR BODIES** (Planetary state) exert force of **ATTRACTION (GRAVITATION)**. Interaction between **REPULSION** and **ATTRACTION** resulted into a new force titled **RETRACTION FORCE**. The physical Universe is under three kinds of **MOTIONS**: 1) **OFF-CENTRE MOTION** is by **REPULSION FORCE**, 2) **PRO-CENTRE MOTION** is by **FORCE OF ATTRACTION** and 3) **SPHERICAL MOTION** is by **RETRACTION FORCE**. Constant motion needs constant force. There need more force when body moves through space having 'friction' and less force when body moves through space having no friction (void, vacuum). However, **MOTION NEEDS FORCE**. Motion without force - the concept of **INERTIA** is fiction, not reality.

**1) WHY THE EARTH DOES NOT FALL UPON THE SUN ?**

**Answer:** THE SUN EXERTS FORCE OF REPULSION. THE SUN REPELS THE EARTH. THEREFORE, THE EARTH DOES NOT FALL UPON THE SUN. Why the earth should fall upon the Sun ? There is no mutual attraction between them.

**2) WHY THE EARTH REMAIN IN FIXED ORBIT AROUND THE SUN ?**

**Answer:** THE SUN EXERTS REPULSION FORCE. THE EARTH EXERTS GRAVITATION. THE SUN REPELS THE EARTH BUT EARTH ATTRACTS THE SUN. SO, NEITHER EARTH WILL FALL UPON THE SUN BY GRAVITATION NOR FLUNG AWAY BY REPULSION. AT ORBITAL DISTANCES BOTH REVERSE FORCES COUNTERBALANCES EACH OTHER. THEREFORE, THE EARTH REMAINS AT MEAN CONSTANT DISTANCE FROM THE SUN IN ITS ORBIT.

If there would be **MUTUAL GRAVITATION** between the Earth and the Sun, the Earth should have collapsed into the Sun. If there would be **MUTUAL REPULSION** between the Earth and the Sun, the Earth should have flung away out of orbit in space. Therefore, there is neither Mutual Gravitation nor mutual Repulsion between the Sun and the Earth. There is mutual **EQUILIBRIUM** between the Sun and Earth.

**3) BY WHICH FORCE THE EARTH REVOLVE AND ROTATES ?**

**Answer:** THE SUN EXERTS REPULSION FORCE. THE EARTH EXERTS FORCE OF ATTRACTION THE INTERACTION OF TWO REVERSE FORCES RESULTED INTO THIRD KIND OF FORCE. THIS IS **RETRACTION FORCE (RTF)**. RTF KEEPS THE EARTH IN REVOLUTION AND ROTATION. RTF ACTS ON PLANETS AT RATIO THAT IS INVERSELY PROPORTIONAL TO SQUARE ROOTS OF DISTANCE FROM THE SUN. THEREFORE, THE EARTH AND ALL PLANETS REVOLVE AROUND THE SUN WITH THIS VELOCITY.

**STREPULSION PHYSICS (Repulsion – Gravitation - Retraction)**  
**The INDIAN Astrophysical Research Centre**  
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Gravitation is pro-centre force. This force keeps two or more bodies to come closer or to combine them. However, to keep bodies in revolution and rotation is impossible by force of Gravitation.

Whatever laws applied to the Earth are all applicable to nine planets and their satellites and non-stellar bodies of the Universe. Mutual gravitation between Planet-satellite is counterbalanced by Solar Repulsion force at orbital distance. Therefore, satellites remain in their orbits at mean constant distance from planet.

THE MASS OF THE SUN IS 99.9% OF THE SOLAR SYSTEM. IF THE SUN ALSO EXERTED FORCE OF GRAVITATION, THEN, ALL NINE PLANETS WITH THEIR SATELLITES AND RINGLETS SHOULD HAVE COLLAPSED INTO THE SUN BILLIONS OF YEARS AGO. EVEN TOTAL FORCE OF THE UNIVERSE WOULD FAIL TO STOP THE COLLAPSE BECAUSE OF NEARNESS OF PLANETS TO THE SUN. THE EXISTENCE OF SOLAR SYSTEM PROVES - THE SUN EXERTS REPULSION. ACCORDINGLY, ALL STARS EXERT REPULSION. THEREFORE, THE UNIVERSE IS IN SCATTERED STATE. OTHERWISE, IF STARS EXERTED GRAVITATION, THEN, PRESENT UNIVERSE SHOULD BE IN STATE OF A GIANT SINGLE BODY WITHOUT ANY LIGHT OR MOTION, WITHOUT STARS AND GALAXIES.

The Universe is on EXPANSION. This is owing to mutual Repulsion force between stars and between Galaxies. If Stars exerted Gravitation, then, the Universe would be on CONTRACTION. THE EXPANDING UNIVERSE PROVES - STARS EXERT REPULSION FORCE. Accordingly, observed EXPANSION, DISPERSION, EJECTION, EXPLOSION, RADIATION and NUCLEAR REACTION PROVES - STELLAR UNIVERSE EXERT REPULSION FORCE. This is STELLAR REPULSION FORCE. In short, STREPULSION FORCE and the science which deals with REPULSIVE PHENOMENA of the Universe and which deals with STREPULSION-FORCE is STREPULSION-PHYSICS.

The stellar mass under Thermonuclear Reactions converted into LIGHT, HEAT and STREPULSION FORCE. 50% of the mass converted into STREPULSION FORCE (SRF). Therefore, stars exert REPULSION while Planets exerts GRAVITATION.

THREE forces dominate the Solar System: SOLAR REPULSION FORCE (SRF), PLANETARY GRAVITATIONAL FORCE (PGF) and RETRACTION (RTF). However, Science world knows only ONE FORCE and that is GRAVITATION. Owing to this ignorance, mankind has unable to conquer the Solar System. By SORLOD SPACE SYSTEM of Strepulsion-Physics (STRP), it is possible to navigate and dominate the Solar System.

**Dr. Navinchandra K. Shah**

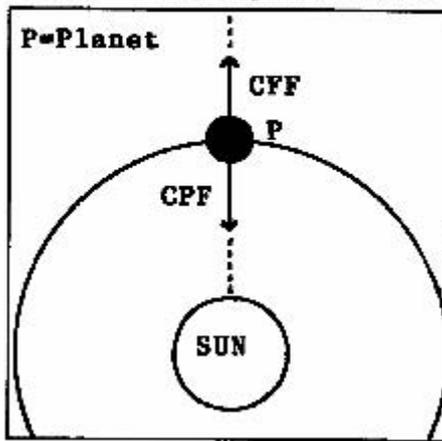
**Prof. Mayuri Raviraj**

**REALITY, FICTION AND FANTASY IN SCIENCE**

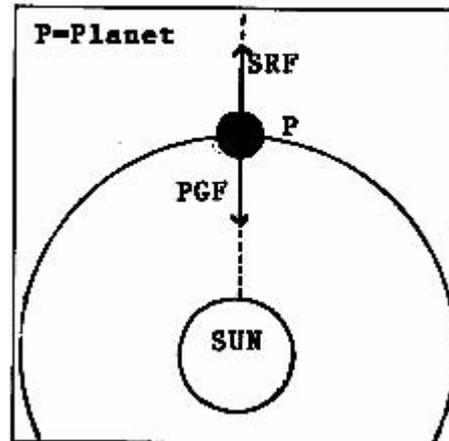
**(1) NOT CENTRIFUGAL FORCE, IT IS STREPULSION FORCE:**

Newton failed to detect and discover SOLAR REPULSION FORCE (SRF), which require to balance the Solar System (SS). So he compelled to imagine a fictitious non-existing force to balance SS and titled it CENTRIFUGAL FORCE (CFF) and linked it with revolving planetary bodies and their satellites. This is considered to be "Off-Centre Force (OCF)" which is assumed to be resulted by revolution of bodies and assumed that CFF keeps Planets away from the Sun and Satellites away from Planets. That is DISTANCE between Sun -Planet is assumed to be owing to CFF and CFF is assumed to be resulted by ORBITAL VELOCITY (OV). This is what in schools and colleges taught to students by giving examples of Stick-string and rotating ball. In this example, as OV increases, DISTANCE between ball and stick increases by stretching of string. So, HIGHER the OV, GREATER the DISTANCE (D).  $OV \propto D$ . But what is reality ? According to above calculations based on CFF, Planets which are located at greater distance from the Sun should revolve in higher VELOCITY around the Sun. Is it so ? NO! Planets located at greater distance revolve at LOWER VELOCITY is observed reality.  $OV \propto 1/\sqrt{D}$  is reality. Mercury, which is located at distance of 58 Million Kilometers from the Sun revolve at Velocity of 48 Klm per Second, while Pluto which is located at distance of 5900 Million Kilometers, revolve at Velocity of 4.7 Klm per Second. So, concept of CFF is fiction, not reality. CFF is derived when the Sun is also considered to be an attracting body. CFF is "created" to counterbalance SOLAR GRAVITATIONAL FORCE (SGF). But when the Sun does not exert SGF, there is no need to create CFF. SGF and CFF – both are science fiction. As SGF is having no existence, accordingly CFF is also having no real existence. THE SUN EXERTS SOLAR REPULSION FORCE, not Gravitation. This is the Ultimate Reality of the Universe (URU). So, CFF is imagined in substitute to SOLAR REPULSION FORCE (SRF). SRF is an Universal Elementary Force, CFF is science fiction to mislead the Science World. SGF is a lie, to prove SGF Newton created CFF, which is another lie. This is chain reaction of Negative Science, which destroys realms of classical Science based on URU. A question of commonsense simply arises for devotees of Newton, when mutual gravitational attraction is considered between the Sun and the Earth (Planets), that is when gravitational intensity of two bodies the Sun and the Earth is combined together then what a great ratio of Gravitational Intensity ? How the force of such high intensity could be counterbalanced or neutralised by Centrifugal force ? To counterbalance Gravitation, there need force of REPULSION, not CFF. AGAIN, CFF is not any elementary force, so not taken in the list of Elementary forces. Therefore, whole edifice build on SGF and CFF is a madhouse. There is neither existence of SGF nor existence of CFF: Both are psycho-product of lunatic mind.

**1) FICTION**  
**CFF =Centrifugal Force**  
**CPF = Centripetal Force**



**1) REALITY**  
**SRF=Solar Repulsion Force**  
**PGF=Gravitational Force**



1. If CFF failed, Planets would fall into the Sun by CPF. If CPF failed, Planets would fly off in space by CFF.

2. CFF is Off-Centre Force (OCF) to balance Gravitation.

3. Planets remain in orbits by interaction of CFF and CPF.

4. Solar system is balanced by CFF and CPF forces.

5. Sun exerts Gravitation

Old Science  
 (Dictionary of Astronomy by Dr. Robert M.  
 Page 32)

1. If SRF failed, Planets would fall into the Sun by PGF. If PGF failed, Planets would fly off in space by SRF.

2. SRF is Off-Centre Force (OCF) to balance Gravitation.

3. Planets remain in orbits by interaction of SRF and PGF.

4. Solar system is balanced by Repulsion & Gravitational forces.

5. Sun exerts Repulsion.

Strepulsion-Physics

**WHAT IS CENTRIFUGAL FORCE ?**

Here are opinions of renown Science Authorities about Centrifugal force " IT IS SAD BUT TRUE THAT HERE WE NO LONGER CAN USE EVERY REFERENCE FRAME AND KEEP NEWTON'S LAW OF MOTION. NEWTON'S LAW OF MOTION IS NOT CORRECT IN ALL FRAMES OF REFERENCE. TO GIVE A DYNAMICAL DESCRIPTION IN SOME FRAMES REQUIRE MORE COMPLICATED LAWS, STILL UNKNOWN". We are all aware of strange forces, which appear when motion is observed in some frames of reference. How can a change in the motion of a reference system create new forces ? IS THIS CENTRIFUGAL FORCE REAL ? THE CENTRIFUGAL FORCE IS NOT REAL. IF IT WERE, THE NET FORCE WOULD BE ZERO, AND WE WOULD NOT GO AROUND THE CURVE. THE CENTRIFUGAL FORCE IS A FICTION, SOMETHING WE INVENT TO MAKE IT APPEAR THAT NEWTON'S LAW OF MOTION APPLIES IN THE FRAME OF REFERENCE.

"WE SEE THAT CENTRIFUGAL FORCE IS REALLY NOT A FORCE, RATHER IT IS A FICTITIOUS OR "PHONY" FORCE THAT WE INTRODUCE TO CORRECT FOR THE ACCELERATION OF OUR ROTATING FRAMES OF REFERENCE. SUCH FICTITIOUS FORCES WHICH ARE NEEDED TO TAKE INTO ACCOUNT THE ACCELERATION OF A FRAME OF REFERENCE ARE CALLED INERTIAL REACTIONS"

"CENTRIFUGAL FORCE IS A TERM WHICH IS WIDELY USED AND POORLY UNDERSTOOD. IF WE USE IT AT ALL, WE MUST REMEMBER THAT IT IS A DEVICE USED TO MAKE CORRECTIONS FOR THE DYNAMICAL DESCRIPTIONS OF MOTIONS IN A ROTATING FRAME OF REFERENCE. IN A FRAME IN WHICH NEWTON'S DESCRIPTION IS VALID, BUT IT (CENTRIFUGAL FORCE) SIMPLY DOES NOT EXIST!

"IF NEWTON'S LAW REALLY APPLIES TO EXPLAIN THE OBSERVED MOTIONS OF BODIES WITH RESPECT TO THE EARTH WE MUST INTRODUCE FICTITIOUS FORCES LIKE CENTRIFUGAL FORCE. THESE FICTITIOUS FORCES MUST BE SMALL OR THEY WOULD LONG SINCE HAVE BEEN APPARENT IN OUR EXPERIMENTS."

"THESE EXPERIMENTS SHOW THAT THE EARTH IS INDEED A ROTATING FRAME OF REFERENCE IN WHICH NEWTON'S LAW IS NOT EXACTLY VALID"PHYSICS, PSSC COURSE OF PHYSICS. By, NATIONAL SCIENCE FOUNDATION OF AMERICA,Pages: 338, 339 & 340 (This is the Text Book of physics for Universities in USA)

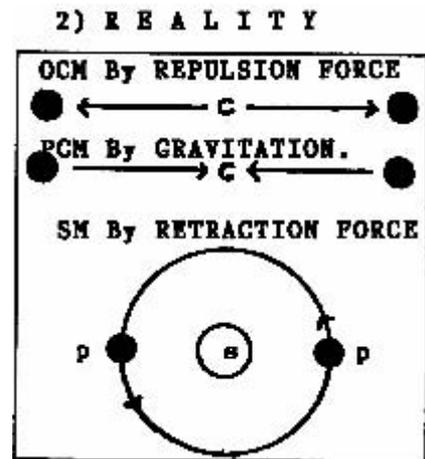
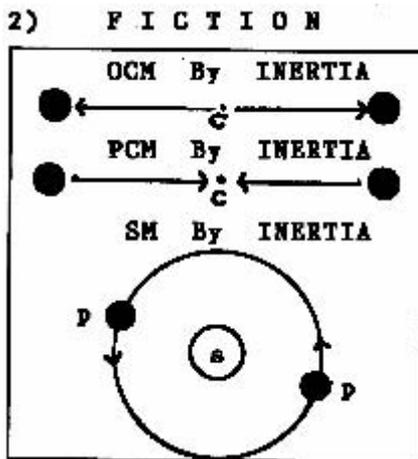
"ASTRONOMICAL CENTRIFUGAL FORCE IS CONSIDERED TO EXPLAIN DYNAMICS OF PLANETARY BODIES WITHIN NEWTON'S LAW OF GRAVITATION. BUT IN REALITY, CENTRIFUGAL FORCE IS FICTITIOUS FORCE. THERE IS NO EXISTENCE OF ANY SUCH REAL FORCE IN THE UNIVERSE. BUT, WITHOUT CONSIDERING CENTRIFUGAL FORCE, NEWTON'S LAW OF MOTION AND THE LAW OF GRAVITATION TURN INVALID."(This is the summary of the text)  
"SCIENTIFIC AMERICAN" March 1981 Page 127

So, you may "feel" Centrifugal force when your car takes sudden U-turn. What you feel is not any real force but state of change of direction of force. Up to now, in Schools and Colleges, children's are hammered with slogan that owing to CENTRIFUGAL FORCE, resulted by ORBITAL REVOLUTION, Planets are not colliding into the Sun. Now this slogan is proved wrong. Planets may revolve or not, will not fall into the Sun because there is no mutual gravitation between the Sun and Planets. Planets will not fall upon the Sun because the SUN EXERTS REPULSION FORCE. SOLAR REPULSION FORCE counterbalances mutual gravitation between Planets and Satellites. Therefore, Satellites remain in their orbits. This is the mystery of Solar System.

## 2) NOT INERTIAL FORCE – BUT IT IS RETRACTION FORCE:

For any motion, straight or spherical need FORCE. For constant and continued motion, need constant and continuity of force. Body need less force when move through frictionless void space and need more force when move through space having atmospheric friction. But body cannot move without application of force. This is because to remain "stationary" or "motionless" or "silent" is the basic property of mass or body and this is the Ultimate Reality of the Universe. So, "INERTIA" in which MOTION WITHOUT FORCE stated is fiction, not reality. Body remains at rest till application of external force is true part of Inertia. But body will remain in state of motion in frictionless space without application of force is the wrong part of Inertia. "Motion of body" is not any "State" or "Property" of the body as stated in inertial concept. MOTION is effect of FORCE on the body.  $MASS \times FORCE = MOTION$ .  $MOTION - FORCE = MASS$  in "STATIONARY" state.

Galileo failed to detect any natural force, which require for astronomical motion (Spherical and Linear), so he derived the concept of INERTIA and Newton failed to detect the force, which require for spherical motion and for Off-Centre Motion of bodies. So he followed INERTIA and derived Centrifugal force. Galileo and Newton applied INERTIA for REVOLUTION and ROTATION of astronomical bodies. Present Science World blindly follows the same old science concept for astronomical and intra-atomic motions. Even some times this is titled as "Inertial Force". But the whole edifice of Physical Science and Newton-Galileo Laws of Motions based on Inertia are baseless and fictitious having no Universal application. What Aristotle told in third century B.C. was correct. MOTION NEEDS FORCE. As this law is applicable to our daily experience on the Earth, in the same way it is applicable to astronomical bodies. For MOTION of your car, there needs FORCE in the form of fuel and for rotation of your electric fan, there need FORCE in the form of electricity force. Accordingly, there need constant "supply" of FORCE for SPHERICAL MOTIONS of astronomical bodies. This force is generated by interaction of Gravitation with Strepulsion force. Resulted Retraction force keeps astronomical bodies in spherical motion. Spherical motion is not possible either by only Gravitation or by only Repulsion. It needs combination of both forces. Spherical or linear motion, there need force. To write, read and to move this letter, force require. Each and every particle of the Universe is in motion. There are three kinds of elementary motions activated by three kinds of elementary forces. OFF-CENTRE MOTION needs REPULSION FORCE. PRO-CENTRE MOTION needs GRAVITATIONAL (ATTRACTIVE) FORCE and for SPHERICAL MOTION needs RETRACTION FORCE. This is absolute reality established under STREPULSION-PHYSICS. Solar System is dominated by these three forces. Science world know only one force that is GRAVITATION. Owing to this ignorance, present space programs are still wanders in darkness. We have established SORLOD SPACE SYSTEM by which these three forces can be utilised to navigate and dominate the Solar System.



OCM = Off-Centre Motion  
 PCM = Pro-Centre Motion  
 SM = Spherical Motion

OCM = Off-Centre Motion  
 PCM = Pro-Centre Motion  
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INERTIA IS FICTION

FORCE IS REALITY

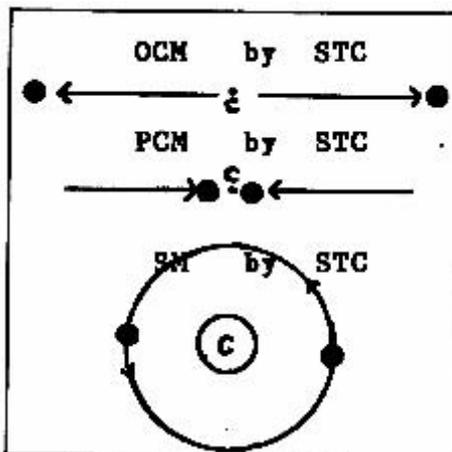
MOTION BY INERTIA IS PHILOSOPHY

MOTION BY FORCE IS SCIENCE

**3) NOT GENERAL THEORY OF RELATIVITY, IT IS STREPULSION PHYSICS:** Unhappy with fictitious concepts of INERTIA and CENTRIFUGAL FORCE of Galileo and Newton, Albert Einstein abolished the basic existence of FORCE itself and established a philosophical theory supported by complex maths and based on empirical formulas titled it GENERAL THEORY OF RELATIVITY (GTR). It was also announced that predictions based on GTR are not exactly observable. That is the GTR is beyond experimental tests. So one has to accept it as a belief. In this wonderful theory, SPACE and TIME are considered as physical factors and acts as an Universal force. IN GTR, both considered as ONE UNIT and named SPACETIME. According to GTR, SPACETIME CURVATURE activates all astronomical motions in the Universe. It is said that "GEOMETRICAL PROPERTIES" of SPACETIME governs the Universe. In advancement to this concept, STEPHEN HAWKING developed "STRING THEORY". Now SPACE and TIME turned into STRINGS and started moving astronomical bodies. Everything, all physical existence of the Universe and its motions are turned into forms of STRINGS. Strings vibrate and this vibration is the motion of Universal bodies...and so, great philosophers Albert Einstein and Stephen Hawking converted classical Science into a beautiful philosophy. SPACE-TIME-CURVATURE (STC) can explain everything. Now, there is no need of any electrical force to keep your electrical fan in rotation and there is no need of any fuel to run your car. Simply add SPACETIME and every thing will start moving. Great Galileo and Newton by creating INERTIA and CENTRIFUGAL FORCE converted classical Science into SCIENCE FICTION and great Albert Einstein and Stephen Hawking have converted rest of the Science into FANTASY. Result ? After more than half a century of struggle in SPACE NAVIGATION and at cost of trillions, still we have unable to keep a tiny satellite in orbit around the Earth as natural MOON to revolve FOREVER as natural body and in fixed orbit, empowered by natural forces by which astronomical bodies revolve and rotates. Whatever advancement in Space Navigation achieved and observed are absolutely TECHNOLOGICAL and ENGINEERING advancements. There is no support of theoretical Science. This is because, owing to fictitious theories of Newton and Einstein, theoretical Science is still wanders in valleys of Dark Ages.

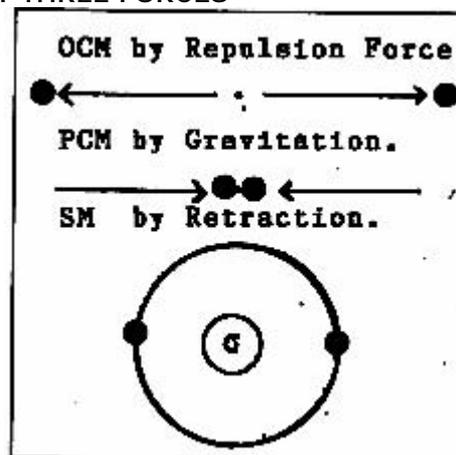
After all what is SPACE and TIME ? These are not any physical factors. SPACE-TIME is having neither any mass nor any force. These are simply impressions on human mind when the brain observes motion of bodies. How psychological factors can govern the Universe ? Are We deals with SCIENCE or MYTHOLOGY ?

**3) FANTASY: ALL UNIVERSAL MOTIONS ARE BY SPACETIME**



OCM = Off-Centre Motion  
 SM = Spherical Motion

**3) REALITY: ALL UNIVERSAL MOTIONS ARE BY THREE FORCES**



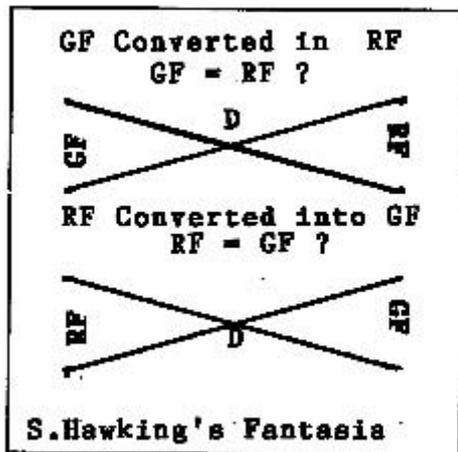
PCM = Pro-Centre Motion  
 STC = Space Time Curvature

**4) FANTASY OF STEPHEN HAWKING:**

The existence of REPULSION FORCE when realized by expansion between Galaxies and by Off-Centre Motion between stellar bodies, but unable to trace the ORIGIN of Repulsion Force, some astrophysicists as Stephen Hawking and his associates started telling that the force of GRAVITATION IS CONVERTED INTO REPULSION at GREATER DISTANCES. That is REPULSION FORCE also converted in GRAVITATION at greater Distance? Therefore what Newton discovered is the force of Gravitation or Repulsion? Now, the force which Science world believes as GRAVITATION, in reality is it REPULSION? These people have unable to distinguish difference between REPULSION and ATTRACTIVE FORCES. Slow by slow; these confused heads of Science are dragging the Classical Science into Mythological Fantasy. Einstein has already derailed the Classical Science from its course to collapse in confusion of darkness. REPULSION is REPULSION and ATTRACTION is ATTRACTION. These are elementary Universal Forces and not inter-convertible. Origin of Astronomical REPULSION force is STELLAR BODIES. But Present Science world believes stellar bodies exert GRAVITATION. So origin of UNIVERSAL REPULSION FORCE remain unsolved mystery, which resulted in formations of various fanatic theories as GTR and STRINGS. STREPULSION-PHYSICS discards all these anti-science viruses from Classical Science, and establishes the Science on the foundation of Ultimate Reality of the Universe.

**4) FANTASY**

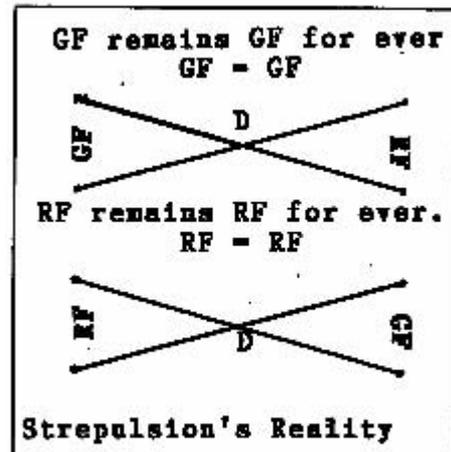
GF CONVERTED INTO RF  
 AT GREATER DISTANCE



GF = Gravitation  
 RF = Repulsion  
 D = Astronomical Distance

**4) REALITY**

GF OR RF ARE BASIC  
 UNCONVERTABLE FORCES



GF = Gravitation  
 RF = Repulsion  
 D = Astronomical Distance

**5) THERE IS NO STELLAR GRAVITATIONAL FORCE, IT IS STELLAR REPULSION FORCE:**

Newton's Law states "EVERY PARTICLE IN THE UNIVERSE EXERTS GRAVITATIONAL FORCE." This is FANTASY not SCIENCE. If this would be the reality, then, present Universe should be on CONTRACTION, not EXPANDING. Again, with single force, the Universe could not be balanced. There need two REVERSE FORCES to balance the Universe as need to balance the Atom. Atoms are balanced by REPULSION and ATTRACTION. Accordingly, to balance the Universe, there need two REVERSE FORCES. These are REPULSION and GRAVITATIONAL FORCES.

Pro-Centre Acceleration and all Pro-Centre Motions on the Earth and on all rest Planets and on their Satellites prove NON-STELLAR (Planetary-state) BODIES EXERT GRAVITATIONAL FORCE. Gravitation is Pro-Centre Force, which activate Pro-Centre Motion.

Off-Centre Acceleration and all Off-Centre Motion observed on the Sun and in Stars prove STELLAR BODIES (the Sun and Stars) EXERT REPULSION FORCE. REPULSION is Off-Centre Force, which activates Off-Centre Motion.

STELLAR REPULSION FORCE that is STREPULSION FORCE (SRF) is originated when stellar mass under Thermonuclear Reactions is converted into PLASMA WIND, LIGHT & HEAT (50%) and rest in form of STREPULSION FORCE (50%). As Strepulsion Force is of nuclear origin, its intensity is millions of times greater than gravitational intensity in Stars. Therefore, whenever any external bodies moves in vicinity of the Sun or Stars, it is REPELLED but not attracted.

Owing to STREPULSION FORCE, the phenomena of EXPANSION, DISPERSION, EJECTION and EXPLOSION are observed in the Sun and Stars. All these phenomena are based on OFF-CENTRE MOTION of stellar mass. Off-Centre Force that is STREPULSION FORCE activates this OCM of mass. If the Sun and Stars exerted GRAVITATIONAL FORCE, then, these phenomena should have followed REVERSE course.

STREPULSION FORCE is discovered by Dr. NAVIN CHANDRA SHAW in association with PANKAJ JAIN and announced worldwide on 6th Feb.1980. Was there BIG BANG ? If present scattered state of the Universe and its expansion is considered to be by BIG BANG, then that UNIVERSAL EXPLOSION should be the result of only increased intensity of STREPULSION FORCE. The Universal Explosion, Scattered state and present Expansion are impossible by GRAVITATIONAL FORCE. The Big-Bang phenomenon if happened in past, proves, that was the birth of STELLAR UNIVERSE. NON-STELLAR UNIVERSE was already existed in the form of primordial dark single compact body of egg-shape to which ancient Aryan Astronomers have called "LINGA" - the origin of the Universe.

So, Newton's STELLAR GRAVITATION is FANTASY that has fooled the Science World for more than three Centuries and still Science World is in deep trance of the Fantasy.

Whatever LAWS applicable to the EARTH are all applicable to NON-STELLAR BODIES and whatever LAWS applicable to the SUN are all applicable to STARS only. It is criminal offence as per UNIVERSAL REALITY to keep STELLAR and NON-STELLAR bodies together and apply ONE LAW for both. The physical constitution of both bodies is absolutely separate. The Stellar bodies are having UNSTABLE MASS and IMBALANCED ATOMIC

CONSTITUTION while Non-stellar bodies are having STABLE MASS and BALANCED ATOMIC CONSTITUTION. Therefore, NON-STELLAR BODIES exert GRAVITATION while STELLAR BODIES exert REPULSION. The Law applicable to the Earth is applicable to all Planets, Moons, Asteroids, Ringlets and Comets but not applicable to the SUN. The law applicable to the Sun is applicable to all Stars of the Universe but not applicable to the Earth and Planets. The physical constitution of the Sun and Earth is different.

The origin of the Sun and all Planets and Satellites is not from any common spinning dust cloud as stated by Laplace and other cosmologists. The new theory and reality of the birth of Solar System is discovered by authors, which is explained in different section.

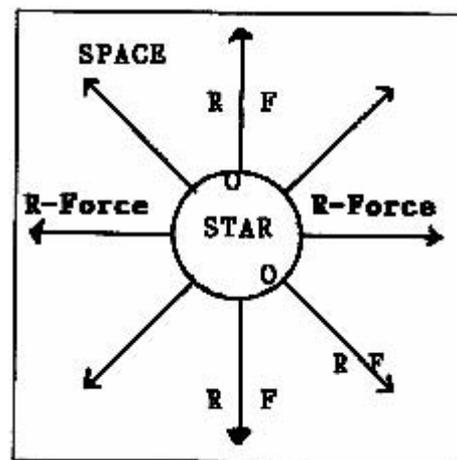
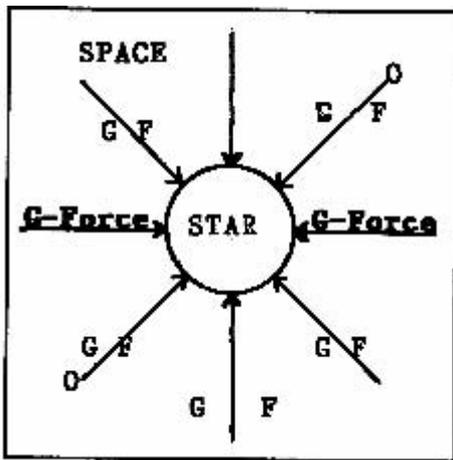
How physical constitution of the Sun and Stars survives under high intensity Strepulsion force ? The physical constitution of the Sun and Stars is compact and balanced by attractational forces resulted by interaction of electrons and protons. That is attractational forces of electro-magnetic and nuclear origin, stellar bodies survives. If these forces weakened, Stars will be dispersed in space with explosion. Even under these intra-atomic forces of attraction, stellar bodies are gradually loosing their mass due to nuclear reactions.

5) FANTASY

5) REALITY

STARS EXERT FORCE OF GRAVITATION

STARS EXERT FORCE OF REPULSION



STARS EXERT GRAVITATIONAL FORCE.

STARS EXERT REPULSION FORCE.

Gravitation is Pro-Centre Force.

Repulsion is Off-Centre Force.

ORIGIN of Gravitational force is SPACE ?

ORIGIN of Repulsion force is STARS (Stellar bodies)

O = Place of ORIGIN ?

O = Place of ORIGIN.

Newton's devotees should now discover the origin of Gravitational Force because it is Pro-Centre Force, directed towards the center. Is Gravitational force originated outside the body, that is in SPACE ?

**6) STAR LIGHT DEFLECTION BY THE SUN IS ACTIVATED BY SOLAR REPULSION FORCE, NOT BY SOLAR GRAVITATION:**

When star ray radiates in vicinity of the sun, its natural straight path (SE) is deflected and straight path turned into CURVE. This is Star-light Radiation Curve (SLRC).

On direction of SLRC, we can judge the KIND of force exerted by the sun. If ANTI-SOLAR SLRC is observed, then, the FORCE exerted by the sun should be REPULSION.

If PRO-SOLAR SLRC is observed, then, the FORCE exerted by the sun should be GRAVITATIONAL.

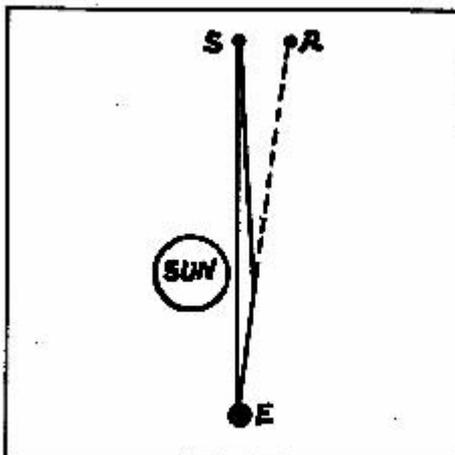
1. By ANTI- SOLAR-SLRC, star image deflected AWAY from the sun than its real location (S) and apparent view (image) of star appears at point R, which proves the sun exerts REPULSION.

2. By PRO-SOLAR-SLRC, star image deflected NEARER to the sun than its real location (S) and apparent view (image) of star appears at point G, which proves the sun exerts GRAVITATION.

3. But if the sun exerts NO FORCE or starlight is unaffected by the FORCE whatever exerted by the sun, then, star should appear at its real location (S) to the earth observer.

Now let us observe the phenomenon of SLRC under solar influence by below astrographs:

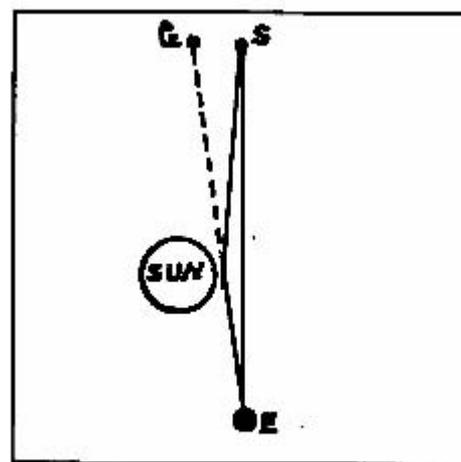
IF THE SUN EXERTS REPULSION



S = Star, E = Earth, R = Star-image

Antisolar SLRC

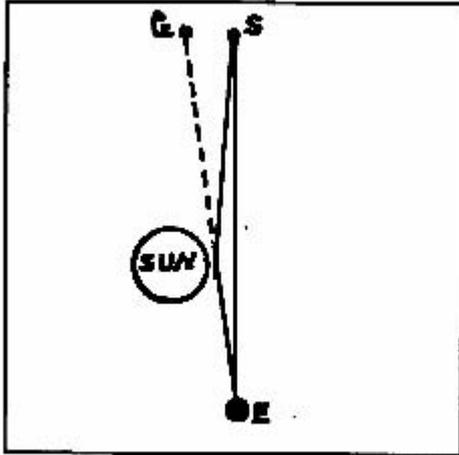
IF THE SUN EXERTS GRAVITATION



S = Star, E = Earth, G = Star-image

Pro-solar SLRC

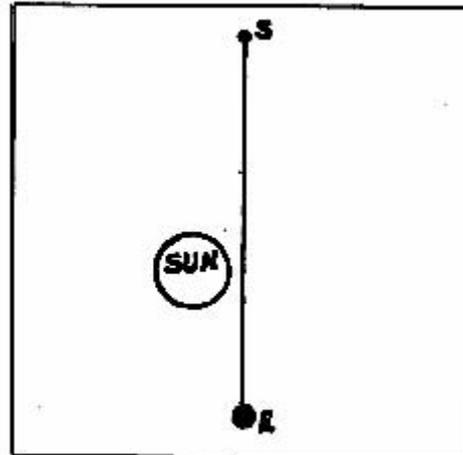
IF THE SUN EXERTS GRAVITATION



S = Star, E = Earth, G = Star-image

Pro-solar SLRC

IF THE SUN EXERTS NO FORCE



S = Star, E = Earth

Star appears at its real location S

**FICTION & FANTASY**

“Starlight follows ANTISOLAR RADIATION CURVE (SNE) owing to SOLAR GRAVITATION. So star-image is deflected AWAY (ENR) from the sun.”

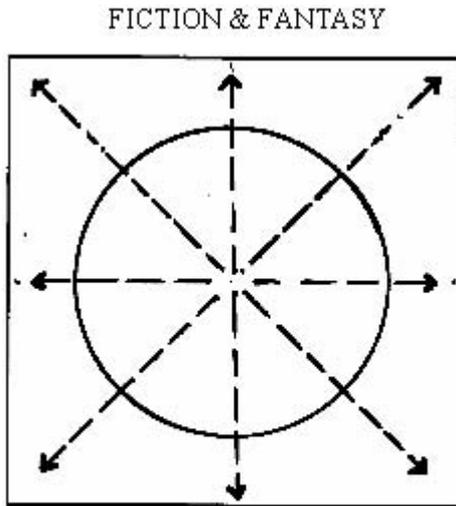
EINSTEIN: General Theory of Relativity

**UNIVERSAL REALITY**

“Starlight follows ANTISOLAR RADIATION CURVE (SNE) owing to SOLAR REPULSION FORCE. So star-image is deflected AWAY (ENR) from the sun.”

NAVIN & PANKAJ: STREPULSION-PHYSICS

**7) THERMONUCLEAR REACTION IN THE SUN AND STARS IS ORIGINATED FROM UPPER SURFACE LAYERS, NOT FROM CORE/CENTRE OF STARS:**

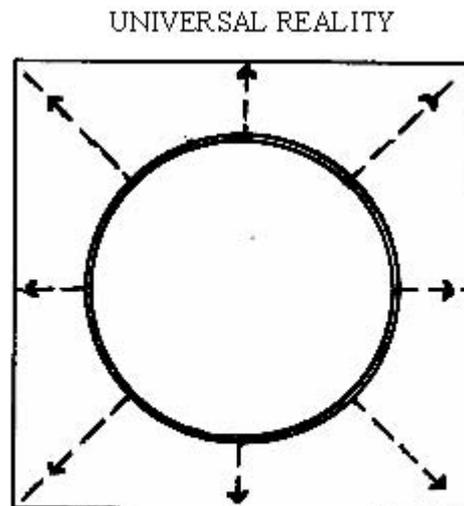


TNR STARTS FROM CENTRE  
OF STAR

"Thermonuclear Reaction (TNR) in stars is originated from core/center of the body. So, LIGHT and HEAT are generated at the center of stars and then transmitted to surface and onward radiated in space. TNR starts by gravitational pressure at the center of the sun."

"TNR in stars is fusion Reaction."

Astrophysics based on Newton's Law of UNIVERSAL GRAVITATIONAL FORCE.



TNR STARTS FROM SURFACE  
OF STAR

"Thermonuclear Reaction (TNR) in stars is originated from upper layers of the body. So, LIGHT and HEAT are generated from upper layers and then transmitted in space by Strepulsion force. Sunspots prove inner region of the sun and stars is cooler than surface. TNR starts by imbalanced intra-atomic REPULSIVE Forces."

"TNR in stars is RACS Nuclear Reaction (RNR)."

STREPULSION-PHYSICS based on UNIVERSAL STREPULSION FORCE.

**CLASSICAL SCIENCE:**

If TNR started from center of the sun and stars and if millions of degree temperature was generated at the core, then, the sun and stars should be DISPERSED with explosion in space. There would be no existence of stellar universe, if TNR originated at center of stellar bodies.

The theory of transmission of HEAT and LIGHT from center of stars to the surface and onward in space is a FANTASY- not SCIENCE. Such phenomenon is impossible. How LIGHT could be transmitted from inner core to surface-crossing layers of stellar matter of millions of miles? Light could not penetrate the paper you are reading. Then, how it could penetrate thick layers of millions of miles of stellar mass to reach from center to surface of the star? So whole concept of TNR based on fusion and stellar gravitation is a hoax, being product of pseudo science theories based on fictitious stellar gravitation.

SUN AND STARS EXERTS FORCE OF REPULSION and TNR starts from SURFACE LAYERS and continued inwardly as layers after layers of stellar mass "consumed" in nuclear furnace and converted into LIGHT, HEAT 50% and 50% in form of STREPULSION FORCE. TNR is RNR operations, the detail explained in separate section.

Dr. Navinchandra K. Shah  
Prof. Pankaj N. Jain

## **DEFECTIVE CLASSIFICATION OF FORCES AND ULTIMATE UNIVERSAL REALITY**

Present definition of four forces in Science is defective and wrong. These four forces considered as 'elementary forces' are as following:

- (1) THE GRAVITATIONAL FORCE
- (2) THE ELECTROMAGNETIC FORCE
- (3) STRONG NUCLEAR FORCE
- (4) WEAK NUCLEAR FORCE

In scientific reality, here only one force that is GRAVITATION is real force. Rest three forces are simply "ORIGIN" or "SOURCES" of forces – but not elementary forces. Again all four forces represent ONLY ONE elementary force – that is force of ATTRACTION. The explanation is as follows:

### **THE GRAVITATIONAL FORCE:**

Particles attract each other with this force, which is proportional to their mass. This is force of ATTRACTION.

### **THE ELECTROMAGNETIC FORCE:**

This is the force of ATTRACTION between electrically charged particles PROTON and ELECTRON. The strength of this force of ATTRACTION between them is proportional to their electric charges. This force of ATTRACTION is responsible for holding atoms together. The summary is the electromagnetic force is elementarily only the force of ATTRACTION. Electromagnetism is "source" or "origin" of force of ATTRACTION – but not any elementary force.

### **STRONG NUCLEAR FORCE:**

Protons and Neutrons carry a strong "Nuclear Charge" (in addition to weak nuclear charge) that is charge of ATTRACTION. These particles ATTRACT each other very strongly, when closer to each other than 10-13cm. The strong Nuclear Force – that is force of ATTRACTION is responsible for holding the nuclei of He, Li, Be, C, U etc., together. The phenomena of Fusion and Fission are aspects of this force. Summarily the so-called "Nuclear Force" is not any elementary force but it is "source" or "origin" of force and it represent only one elementary force that is FORCE OF ATTRACTION.

### **WEAK NUCLEAR FORCE:**

All elementary particles that are Proton, Neutron, Electron and Neutrino interact with each other through a weak nuclear force provided they are closer to each other than 10-16cm. This "interaction" is nothing but ATTRACTION. That is along with electromagnetic force, weak nuclear force is also the FORCE OF ATTRACTION, WHICH KEEP THE ATOM INTACT. The latest experiment at Stanford Linear Accelerator Centre proved that weak nuclear force is nothing but other facet of Electromagnetic force. The summary is that – Weak Nuclear Force is originally and elementarily nothing but force of ATTRACTION as electromagnetic force. This is force of ATTRACTION between all elementary particles.

The summary is, so called Electromagnetic force and Nuclear force are not any elementary forces but simply "sources" or "origin" of elementary force of ATTRACTION.

Therefore, at the beginning of the 21st Century, Science world know about ONLY ONE force and that is force of ATTRACTION (GRAVITATION) and struggles in vain to explain all the momentum of the universe on basis of this one force – while THREE UNIVERSAL FORCES dominate the universe. Authors have discovered two forces.

Einstein's life long dream was unification of all these Four Forces in one grand unified theory, which remain incomplete.

But unification of what ? when definition of "Four Forces" itself is defective and wrong and summarily when all four centred to one elementary force of ATTRACTION and when only this one force is in action beneath all four, what is unification ?

In this ignorance, the only real unification of all the said four forces is that all these imagined four forces – GRAVITATION, ELECTROMAGNETIC, STRONG NUCLEAR and WEAK NUCLEAR are nothing but different names of ONE FORCE and that force is ATTRACTION only. This is unification of four forces among which three are fictitious forces except Gravitation.

#### **ELECTRO WEAK FORCE:**

In mad struggle of unification of forces, the latest development is unification of Electromagnetic Force and Weak Nuclear Force and titled it Electro-Weak Force and a problematic theory is developed to explain the existence of such force is called Electro-Weak theory. But all these theoretical efforts are practically no use for scientific advancement. These are all products of confused and idle human mind. Mother nature is plain, clear and simple. Natural forces, natural matter and natural motions are very simple and follow simple phenomena. But unnecessarily present science has made these simple existences extremely complicated, illogical and unsolvable. When there will be no availability of real scientific explanation for illogical and artificial theories, science struggled to solve it on basis of complex mathematics. But what answer derived is not the universal reality. It is purely answer for mental consolation without background of Classical Science.

After all, there exist elementarily only three forces and by their interaction/ combinations sub-elementary forces can be derived. But, elementarily only three forces exists – Repulsion, Attraction and Retraction.

Electricity is combination of two forces – Repulsion and Attraction. Magnetism is also combination of Attraction and Repulsion. Therefore, Electromagnetism in broad sense is compound force of Attraction and Repulsion. Nuclear forces are also combination of Attraction and Repulsion. Therefore, Electro Weak force is nothing but sub-elementary force being combination of Repulsion and Attraction.

But as per explanation of four forces in present science book, all four forces elementarily exhibit only one identity of force of ATTRACTION, which we have already explained. Therefore, FORCE is still mysterious and confusing factor for present science world.

**THREE ELEMENTARY UNIVERSAL FORCES**

THREE elementary forces dominate the physical universe. These are as following:

**(1) ATTRACTION (Gravitation) (2) REPULSION (3) RETRACTION**

Only these three elementary forces exist. There is no fourth force exist. Out of these three forces, Sir. Isaac Newton in 17th Century (1685) discovered the force of ATTRACTION that is GRAVITATION. But, ancient Indian Astronomers knew about this force of attraction/gravitation even in 5th Century B.C.

Other two forces REPULSION (that is Stellar Universal Repulsion Force or STREPULSION FORCE) and UNIVERSAL RETRACTION FORCE are discovered by us and announced worldwide by press media on 6th February 1980.

**Dr. Navinchandra K. Shah**

**Prof. Padmavati P. Jain**

**DEFECTIVE CLASSIFICATION OF MOTION AND ULTIMATE UNIVERSAL REALITY**

In present Physics, MOTION is classified into three kinds.

**(1) TRANSLATION**

**(2) ROTATION**

**(3) OSCILLATION**

**(1) TRANSLATION** : This is motion of the body in STRAIGHT LINE. Ex: Moving train.

**(2) ROTATION** : This is motion of the body in CIRCULAR PATH. Ex: The Earth rotation, Fan rotation.

**(3) OSCILLATION**: This is motion of the body in BACK & FORTH between two points. Ex: Pendulum of clock.

This is not scientific classification of MOTION. MOTION is activated by FORCE. Each different motion needs different kind of force. Above classification cannot justify by which force each motion is activated. So, in STREPULSION-PHYSICS, above classification of motion is rejected and established new classification of THREE ELEMENTARY MOTIONS activated by THREE ELEMENTARY FORCES.

There are THREE ELEMENTARY MOTIONS in the Universe as per STREPULSION-PHYSICS. These are as following:

**(1) PRO-CENTRE MOTION (PCM)**

**(2) OFF-CENTRE MOTION (OCM)**

**(3) SPHERICAL MOTION (SLM)**

**(1) PRO-CENTRE MOTION** : In PCM, two or more bodies move closer to each other in linear or semi-linear motion. This motion is activated by ATTRACTIVE FORCE (GRAVITATIONAL FORCE) PRO-CENTRE ACCELERATION, CONDENSATION, COMPRESSION, CONTRACTION, COLLISION are motion of bodies or mass is PCM.

**(2) OFF-CENTRE MOTION** : In OCM, two or more bodies move AWAY from each other in linear or semi-linear motion. This motion is activated by REPULSION FORCE.

EXPANSION, DISPERSION, EJECTION, RADIATION, EXPLOSION are motions of mass or bodies is OCM. This motion is observed in Stellar Universe.

**(3) SPHERICAL MOTION** : In SLM, bodies REVOLVE and ROTATES. This motion is activated by RETRACTION FORCE (RTF). RTF is generated by interaction of Repulsion x Attraction forces.

Revolution and Rotation from Astronomical bodies to intra-atomic particles and also all rest spherical motions are by SLM activated by RTF.

**STREPULSION PHYSICS (Repulsion – Gravitation - Retraction)**  
**The INDIAN Astrophysical Research Centre**  
**(Discovery Mission)**

TRANSLATION is linear straight motion comes under OCM or PCM.

ROTATION is motion comes under SLM.

OSCILLATION is combination of PCM and OCM.

These above three motions of old physics do not clarify scientifically the AIM of motion of body and the FORCE beneath it. Therefore, astronomical and intra-atomic motions remain unexplained under these old motions.

In STREPULSION-PHYSICS, it is scientifically explained and interlinked each MOTION with each FORCE. OCM, PCM and SLM are motions observed in Astronomical Universe and also inside atom and are activated by THREE elementary forces: ATTRACTION/ GRAVITATION, REPULSION and RETRACTION.

For advancement of Space-navigation and to understand secrets of the Universe, Science should reject old classification of MOTION and FORCE and should accept NEW CLASSIFICATION as established in STREPULSION-PHYSICS.

**PCM BY ATTRACTION**  
**OCM BY REPULSION**  
**SLM BY RETRACTION**

This is the foundation of NEW SCIENCE for NEW MILLENNIUM.

**Dr. Navinchandra K. Shah**  
**Prof. Raviraj Chittaranjan**