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**STREPULSION PHYSICS:
The New Branch of Science for 21st
Century**

By: Dr. NAVINCHANDRA K. SHAH

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Strepulsion Physics: The New Branch of Science for 21st Century

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After half a century struggle in search of ultimate reality of the universe, I have possible to decode the greatest mysteries of the universal Matter, Force, Momentum, Space and Time. At the end of my struggle, I have discovered two universal forces – still unknown and unimagined by science world. These are Universal Repulsion Force titled STREPULSION FORCE (SRF) and spherical force titled Cosmic RETRACTION FORCE (RTF). SRF counterbalance Gravitational force and RTF activates astronomical spherical motion. After discoveries of new forces, I have realized that present physical science based on wrong foundation. And established new branch of science titled STREPULSION-PHYSICS (SRP). Under SRP I have possible to solve all problems of astrophysics and cosmology. And derived new space navigational technology – titled SORLOD SPACE SYSTEM (SSS). It is possible to utilize all three universal forces – Strepulsion, Retraction and Gravitation as “fuel” to navigate the solar system at velocity that exceeds 10% velocity of light at 90% reduced cost. SSS having capability to lead present space programs ahead by a century.

Strepulsion-physics is the new world of science for the new generation of 21st century.

STREPULSION PHYSICS: THE SCIENCE TO NAVIGATE AND DOMINATE THE SOLAR SYSTEM & BEYOND...

THE AMERICAN BIOGRAPHICAL INSTITUTE, RELEIGH, NC, USA has conferred its most prestigious two Awards (1) “The Outstanding Man of the 20th Century (1999) and (2) “The Millennium Gold Medal of Honor” (2000) to **Dr. NAVINCHANDRA K. SHAH** for establishment of the new branch of Physical Science by name STREPULSION-PHYSICS.

What is STREPULSION-PHYSICS?

350 years (1665) ago, Sir Isaac Newton (inspired by fall of an apple?) derived the LAW OF UNIVERSAL GRAVITATION, which states “EVERY PARTICLE ATTRACTS EVERY OTHER PARTICLE IN THE UNIVERSE”. The Law was justified in those days when the knowledge about the universe was naïve. Today, after advancement of three and half centuries, we are actually observing that most of the phenomena of the universe exhibit OFF-CENTRE MOTION of mass which is only possible by OFF-CENTRE FORCE that is the force of REPULSION. This proves Newton’s Law of Gravitation is no more any universal reality.

The universe is EXPANDING. The mass of Spiral Galaxies and Crab Nebula is DISPERSING. The mass of Nova-Supernova is on EXPLOSION. The EJECTION of plasma wind and cosmic particles observed from the Sun and stars. The RADIATION of light, heat, Gamma and X-rays is observed from the stars. The stellar mass follows explosion under Thermonuclear Reaction in stars. In all these phenomena, the stellar mass is in OFF-CENTRE MOTION (OCM). OCM is result of OFF-CENTRE FORCE that is the force of REPULSION. Gravitation is PRO-CENTRE FORCE (PCM). Therefore, these Universal phenomena are not possible under force of Gravitation. If the

universe exerts only force of Gravitation – then entire mass of the universe must condense in form of a single massive planetary body. There should be neither existence of the stars or galaxies – nor any existence of light, heat or momentum. Entire picture of the universe must be in REVERSE state – unfit to be framed in delicate beautiful word “UNIVERSE” – if stars exert Gravitation instead of REPULSION.

What is the Universal Reality? Pro-center acceleration of bodies on the Earth proves the Earth and all NON-STELLAR BODIES of the universe exert force of GRAVITATION. But STELLAR BODIES (the Sun and stars) exert force of REPULSION – not Gravitation. STELLAR UNIVERSAL REPULSION FORCE that is STREPULSION FORCE (SRF) activates phenomena of EXPANSION, EXPLOSION, EJECTION, DISPERSION and RADIATION in the UNIVERSE.

THE NEWTON’S LAW OF GRAVITATION IS NOT APPLICABLE TO THE SUN AND STARS. STARS EXERT REPULSION FORCE, WHICH IS ORIGINATED UNDER THERMONUCLEAR REACTION IN STARS. STELLAR REPULSION FORCE IS DOMINATING FORCE OF THE UNIVERSE – NOT GRAVITATION. REPULSION AND GRAVITATIONAL FORCES ARE BALANCING THE UNIVERSE.

IN THE SOLAR SYSTEM, THE SUN EXERTS REPULSION FORCE, WHILE PLANETS AND THEIR SATELLITES EXERT FORCE OF GRAVITATION. THUS, PLANETS & SATELLITES NEITHER FALL INTO THE SUN BY GRAVITATION, NOR FLUNG AWAY OUT OF THE SOLAR SYSTEM BY REPULSION. AT ORBITAL DISTANCES BOTH REVERSE FORCES ARE COUNTERBALANCING EACH OTHER. THE EQUILIBRIUM OF TWO REVERSE FORCES KEEPS PLANETARY SYSTEMS IN THEIR ORBITS. THE MASS OF THE SUN IS 99.9% OF THE SOLAR SYSTEM. IF THE SUN REALLY EXERTES GRAVITATIONAL FORCE, THEN, ALL NINE PLANETARY SYSTEMS MUST COLLAPSE INTO THE SUN. THE EXISTENCE OF THE SOLAR SYSTEM PROVES – NEWTON’S LAW OF GRAVITATION IS NO MORE AN UNIVERSAL REALITY. THIS LAW IS LIMITED TO NON-STELLAR BODIES ONLY.

Solar-Planetary distance constancy is the result of EQUILIBRIUM of two reverse forces. It is not owing to “CENTRIFUGAL FORCE”. The RESULTANT FORCE or RETRACTION FORCE is generated by interaction of Solar REPULSION and Planetary GRAVITATIONAL force. The RETRACTION FORCE keeps bodies of the Solar System in Spherical Motion. Motion is not owing to “Inertia”. Centrifugal Force and Inertia are fictitious products of confused mind to adjust astro-dynamics within framework of fictitious Universal Gravitational Theory.

It is possible to utilize SOLAR REPULSION FORCE and RETRACTION FORCE under SORLOD SPACE SYTEM (SSS) for Interplanetary Space Navigation and beyond the Solar System. SSS is new Space Technology established by Dr. NAVINCHANDRA K. SHAH. SSS can boost present Space Programs ahead by a Century. THE SCIENCE WHICH DEALS WITH REPULSIVE PHENOMENA OF THE STELLAR UNIVERSE AND DEALS WITH STREPULSION FORCE OF STARS IS STREPULSION- PHYSICS.

STREPULSION-PHYSICS IS THE NEW SCIENCE FOUNDATION OF THE THIRD MILLENNIUM, ESTABLISHED BY Dr. NAVINCHANDRA K. SHAH, FOUNDER OF THE INTERNATIONAL STREPULSION-PHYSICS RESEARCH INSTITUTE (INDIA & USA) , LALKA INTERNATIONAL SCIENCE FOUNDATION (INDIA & USA) AND INDIAN ASTROPHYSICAL RESEARCH CENTRE, HUBLI & RAJKOT (INDIA)

DARSHAN. V. LALKA -- Director INSRI

STREPULSION –PHYSICS: The New Branch of Science (THE ABSTRACT)

WITH 50 YEARS OF EFFORTS, I HAVE DISCOVERED **STELLAR UNIVERSAL REPULSION FORCE**, WHICH IS EXERTED BY STELLAR BODIES (THE SUN & STARS). THIS FORCE IS ORIGINATED UNDER THERMONUCLEAR REACTIONS IN STARS.

I HAVE CALCULATED THAT 20% OF STELLAR MASS IS CONVERTED INTO PLASMA AND RADIATING ENERGY (LIGHT & HEAT) AND REST 80% IN HIGH INTENSITY **REPULSION FORCE**. I HAVE TITLED THIS FORCE AS **STREPULSION FORCE**. THEREFORE, WHENEVER EXTERNAL BODIES MOVE IN THE VICINITY OF THE SUN AND STARS, THEY ARE REPELLED, BUT NOT ATTRACTED.

ACCORDING TO MY DISCOVERY OF STREPULSION FORCE, NEWTON-EINSTEIN'S THEORIES OF UNIVERSAL GRAVITATIONAL FORCE ARE WRONG. **THE SUN AND STARS EXERT FORCE OF REPULSION-NOT GRAVITATION.**

GRAVITATION IS AN EXTREMELY WEAK FORCE, EXERTED BY ONLY NON-STELLAR BODIES, THAT IS PLANETARY STATE BODIES IN THE UNIVERSE, WHICH ARE FREE FROM THERMONUCLEAR REACTION.

IN THE SOLAR SYSTEM, **THE SUN EXERTS SOLAR REPULSION FORCE (SRF)** WHILE PLANETS, SATELLITES AND ALL OTHER BODIES EXERT FORCE OF GRAVITATION. AT ORBITAL DISTANCE, BOTH REVERSE FORCES ARE COUNTERBALANCING EACH OTHER. THEREFORE, BODIES REMAIN AT MEAN CONSTANT DISTANCE FROM THE SUN IN THEIR ORBITS. INTERACTION BETWEEN THE SOLAR REPULSION FORCE AND GRAVITATION IS RESULTED INTO A THIRD KIND OF FORCE. I HAVE TITLED THIS FORCE AS **RETRACTION FORCE (RTF)**. RTF KEEP ALL THE BODIES OF THE SOLAR SYSTEM IN REVOLUTION AND IN ROTATION.

I HAVE INVENTED NEW SPACE TECHNOLOGY TITLED **SORLOD SPACE SYSTEM (SSS)**. IT IS POSSIBLE TO UTILISE REPULSION AND RETRACTION FORCES FOR INTERPLANETARY SPACE NAVIGATION TO NAVIGATE AND DOMINATE THE SOLAR SYSTEM. IT IS POSSIBLE TO ACHIEVE 10% OF THE VELOCITY OF LIGHT UNDER SSS. **SSS CAN LEAD PRESENT SPACE PROGRAMS AHEAD BY A CENTURY.**

OBSERVED **EXPANSION, DISPERSION, EJECTION, RADIATION AND EXPLOSION** IN THE UNIVERSE ARE ACTIVATED BY STELLAR REPULSION FORCE. **THE UNIVERSE IS EXPANDING BY THE MUTUAL REPULSION FORCE BETWEEN STARS AND BETWEEN GALAXIES. THERE IS NO EXISTENCE OF ANY DARK ENERGY OR DARK MATTER TO ACTIVATE UNIVARSAL EXPANSION-AS BELIEVED.**

NEUTRON STARS AND BLACK HOLES ARE NON-STELLAR BODIES. THEREFORE THESE ARE NONLUMINOUS AND INVISIBLE, WHICH EXERT FORCE OF GRAVITATION. OBSERVED X-RAY RADIATION IS REFLECTED RADIATION FROM THE THESE BODIES, WHICH IS DIRECTLY EMITTED FROM STELLAR COMPANION IN BINARY SYSTEMS.

GALILEO'S **INERTIA**, NEWTON'S **STELLAR GRAVITATION** AND **CENTRIFUGAL FORCE** AND EINSTEIN'S **SPACE-TIME CURVATURE** (GENERAL THEORY OF **RELATIVITY**) ARE NO MORE ABSOLUTE REALITIES OF THE UNIVERSE.

Dr. NAVINCHANDRA K. SHAH

SECTION – 1

STREPULSION PHYSICS

**DISCOVERY OF THE UNIVERSAL REPULSION & COSMIC RETRACTION FORCES;
MY DISCOVERY OF TWO UNIVERSAL FORCES TO DOMINATE AND NAVIGATE THE SOLAR
SYSTEM AND BEYOND**

DR. NAVINCHANDRA K. SHAH

THE ATOM IS A “SYSTEM” WHICH IS BALANCED BY TWO REVERSE FORCES, THAT IS REPULSION AND ATTRACTION. ACCORDINGLY, REPULSION AND GRAVITATIONAL FORCES ARE BALANCING THE SOLAR SYSTEM, GALAXIES AND THE WHOLE UNIVERSE. AND FOLLOWS SPHERICAL MOTION BY A THIRD KIND OF FORCE, STILL UNKNOWN TO THE SCIENCE WORLD. I HAVE DISCOVERED THESE TWO FORCES, WHICH ARE DOMINATING THE UNIVERSE AND TITLED THEM BY STREPULSION & RETRACTION FORCES. I HAVE ESTABLISHED A NEW BRANCH OF PHYSICAL SCIENCE TITLED “STREPULSION-PHYSICS” (SRP). SRP IS A GIFT FOR THE SCIENCE WORLD OF THIRD MILLENNIUM HAVING STRENGTH TO BOOST PRESENT SPACE PROGRAMS AHEAD BY A CENTURY.

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I have discovered two universal forces. These are Strepulsion force and Retraction force. Astronomical bodies exert these forces. It is possible to utilize these two forces for interplanetary Space Navigation in the Solar System and beyond.

STREPULSION FORCE (SRF):

The STELLAR BODIES (the Sun and stars) exert SRF, which is REPULSIVE by nature. This is STELLAR THERMONUCLEAR REPULSION FORCE in short STREPULSION FORCE (SRF) discovered by me with efforts of more than 50 years and titled it as STREPULSION FORCE (SRF). SRF is nuclear oriented force that is originated when the stellar mass synchronizes under thermonuclear reactions (TNR). As per astronuclear computation, 20% of the stellar mass converted by TNR into radiating energy and plasma wind (light, heat and plasma wind) and rest 80% in the form of high intensity STREPULSION FORCE. This is the mystery of missing 80% mass of the universe, which exists in form of STREPULSION FORCE (SRF).

As SRF is nuclear oriented force, its intensity ($SRF=MC^2$) is about a million times greater than gravitational intensity ($G=M$) of stellar bodies. Therefore ACTIVE force exerted by the Sun and stars is REPULSION FORCE. Owing to this universal reality, whenever external bodies move in vicinity of the Sun and stars, they are repelled but not attracted. The phenomenon proves the Sun and stars exert Strepulsion force. Strepulsion and Gravitational forces balance the Solar System along with the universe. Stellar bodies exert Repulsion force while non-stellar bodies exert Gravitation. The mass of stellar bodies in the universe is in much greater ratio. Therefore dominating force of the universe is the Repulsion force. So, the physical universe is on expansion, which is activated by mutual Repulsion force between stars and between galaxies.

THE SUN:

THE SUN EXERTS SRF THAT IS SOLAR REPULSION FORCE. THEREFORE OFF-SOLAR MOTION OF MASS IS OBSERVED UNDER INFLUENCE OF SRF. THESE PHENOMENA PROVES THE SUN EXERTS SOLAR REPULSION FORCE. (SRF):

1. OFF-SOLAR DISPLACEMENT OF MAGNETOSPHERES OF THE PLANETS IS BEING ACTIVATED BY SRF.
2. OFF-SOLAR EJECTION OF PLASMA SOLAR WIND IS ACTIVATED BY SRF.
3. OFF-SOLAR DEFLECTION OF STAR LIGHT RADIATION AND OFF-SOLAR DISPLACEMENT OF STAR-IMAGE ARE BEING ACTIVATED BY SRF.
4. OFF-SOLAR RADIATION OF LIGHT, HEAT AND COSMIC PARTICLES AND HIGH-ENERGY ELECTROMAGNETIC RADIATIONS ARE ACTIVATED BY SRF.
5. TRANSMISSION OF HEAT FROM PHOTOSPHERE TO CORONA OF THE SUN IS BEING ACTIVATED BY SRF.
6. OFF-SOLAR EJECTION OF GIANT PLASMA CLOUDS DURING ACTIVE SUN IS BEING ACTIVATED BY HIGH INTENSITY SRF.
7. ANTI-SOLAR DISPERSION OF THE GALACTIC COSMIC RADIATION IS BY SRF.

8. RETARDATION OF STAR LIGHT FREQUENCY IN THE VICINITY OF THE SUN IS RESULT OF SRF (RED – SHIFT EFFECT).
9. RETARDATION OF GRAVITATIONAL INTENSITY TO SQUARE OF DISTANCE IS BY SRF IN THE SOLAR SYSTEM.
10. HIGHER OCEAN TIDES ON FULLMOON MIDNIGHT THAN ON NEWMOON MIDDAY ARE OWING TO SRF
11. OFF-SOLAR DEFLECTION OF COMETS'TAIL IS BEING ACTIVATED BY SRF.

ALL REST PHENOMENA IN THE SOLAR SYSTEM PROVES THE SUN EXERTS FORCE OF REPULSION, NOT GRAVITATION.

STARS & GALAXIES:

STARS EXERT STELLAR REPULSION FORCE (SRF) THAT IS STREPULSION FORCE. THESE PHENOMENA PROVE THE EXISTENCE OF SRF.

1. EXPANDING UNIVERSE: BECAUSE OF MUTUAL REPULSION FORCE BETWEEN STARS, DISTANCE BETWEEN STARS IS INCREASING. . THIS IS EXPANSION OF GALAXIES. OWING TO MUTUAL REPULSION FORCE BETWEEN GALAXIES, DISTANCE BETWEEN GALAXIES IS GO ON INCREASING. THIS IS EXPANSION OF GALACTIC CLUSTERS. BECAUSE OF MUTUAL REPULSION FORCE BETWEEN GALACTIC CLUSTERS, THE UNIVERSE IS EXPANDING. THIS EXPANSION IS ACTIVATED BY STREPULSION FORCE. IF THE UNIVERSAL GRAVITATION WOULD BE THE REALITY, THEN THE UNIVERSE SHOULD BE ON CONTRACTION. SO CALLED “DARK ENERGY” AND “DARK MATTER” CONSIDERED FOR EXPANSION IS FICTITIOUS PRODUCT OF CONFUSED HUMAN MIND. IT IS NOT ANY DARK OR WHITE ENERGY, BUT IT IS STREPULSION FORCE, WHICH CAUSE EXPANSION AND DISPERSION OF STELLAR MASS. STRIPLUSION FORCE IS STELLAR REPULSION FORCE.
2. DISPERSION OF MASS IN CRAB NEBULA AND IN THE SPIRAL GALAXIES IS BEING ACTIVATED BY STREPULSION FORCE.
3. EJECTION OF PLASMA WIND FROM THE STARS OF THE BINARY SYSTEMS IS BEING ACTIVATED BY STREPULSION FORCE. EJECTED WIND OBSERVED BY PLANETARY COMPANION. THIS IS THE MYSTERY OF “BLACK HOLES”.
4. EXPLOSION OF NOVA INTO SUPERNOVA AND HYPER NOVA IS BEING ACTIVATED BY STREPULSION FORCE.
5. SCATTERED STATE OF PRESENT PHYSICAL UNIVERSE IS BY SRF.
6. THERMONUCLEAR REACTION IN STARS IS BEING ACTIVATED BY INTRA-ATOMIC REPULSION FORCE.
7. RADIATION OF LIGHT, HEAT, X-RAYS, GAMMA RAYS AND THE COSMIC PARTICLES FROM STARS IS BEING ACTIVATED BY STREPULSION FORCE.
8. EJECTION OF SUPER-LUMINOUS PLASMA CLOUDS FROM THE QUASARS IS BEING ACTIVATED BY STREPULSION FORCE.
9. EJECTION OF PLASMA STREAM FROM THE GALAXY M-87 IS BEING - ACTIVATED BY STREPULSION FORCE.
10. EJECTION OF REPULSIVE – WAVES FROM PULSAR PST 1913+6 IS ACTIVATED BY STREPULSION FORCE.
11. OFF – GALACTIC MOTION OF THE “OUTCAST STAR” IS ACTIVATED BY MUTUAL STREPULSION FORCE BETWEEN THE STARS AND GALAXY.
12. GALACTIC DIVISION IS ACTIVATED BY INCREASED MUTUAL STREPULSION FORCE BETWEEN STARS .Galaxies are dividing but not colliding.

All above phenomena of EXPANSION, DISPERSION, EXPLOSION, EJECTION and RADITION, which are observed in the universe, follows “OFF-CENTRE-MOTION of stellar mass which is possible by “OFF-CENTRE-FORCE” that is the FORCE OF REPULSION. These phenomena are not possible if stars exert force of Gravitation as believed in Newtonian Physics. All rest phenomena of the stellar universe prove that STARS EXERT STREPULSION FORCE.

THE SOLAR SYSTEM:

In the Solar-System (SS) the Sun exerts Strepulsion that is Solar Repulsion Force (SRF) while planets, satellites, comets, asteroids and ringlets exert gravitation. REPULSION and GRAVITATIONAL FORCES are balancing the Solar System. So, neither planets nor satellites fall upon the Sun by GRAVITATION nor flung away out of the Solar

System by REPULSION. Both reverse forces are counterbalancing each other at orbital distance. So, planets, satellites and rest bodies remain in their orbits at mean constant distances. The sun repels planet-satellites system (PSS) while PSS attracts the sun. So neither PSS fall on the sun by own gravitation nor flung away out of solar system by solar Repulsion force.

THE SUN-PLANET SYSTEM:

The Sun exerts the SOLAR REPULSION FORCE (SRF) while planets exert GRAVITATION. The Sun repels planets but planets attract the Sun. So, neither planets collide upon the Sun by own Gravitation nor flung away out of the Solar System by SOLAR REPULSION FORCE. Both reverse forces are counterbalancing each other and attain equilibrium at ORBITAL DISTANCES. So planets remain fixed in their orbits at mean constant distance from the Sun. If there exists MUTUAL GRAVITATION between the Sun and planets, then planets must be collapsed into the Sun- ending the Solar System. If there exists MUTUAL REPULSION between the Sun and planets, then the planets must have been flung away out of the Solar System. So, there is neither MUTUAL GRAVITATION nor there is MUTUAL REPULSION between the Sun and planetary system. There is mutual interaction between REPULSION and GRAVITATIONAL FORCES and resulted RETRACTION FORCE is balancing the Solar System and keeps planets and satellites in REVOLUTION and ROTATION.

THE PLANET-SATELLITE SYSTEM:

There is MUTUAL GRAVITATION between planets and satellites. The mutual gravitational force is counter balanced by SOLAR REPULSION FORCE at orbital distances of satellites. So, satellites remain fixed in their orbits at mean constant distance from their primary planets. This phenomenon is applicable to asteroids and ringlets along with comets.

EXISTENCE OF THE SOLAR SYSTEM:

The mass of the Sun is 99.9% of the Solar System. And all rest bodies of the Solar System are constituted by 0.1% of the total mass. Now, if the Sun also exerts gravitation along with all the rest bodies of the system, then all the bodies of the system must collapse into the Sun by mutual gravitation. There should be no existence of present Solar System, if the Sun exerted force of Gravitation as believed in Newtonian Physics. The System survives by Repulsion and Gravitation.

CENTRIFUGAL FORCE:

Centrifugal Force is non-existing fictitious force imagined by Newton to counter balance fictitious SOLAR GRAVITATIONAL FORCE. When we discard SOLAR GRAVITATION, Centrifugal Force loses its existence. There is neither existence of SOLAR GRAVITATION nor there is existence of CENTRIFUGAL FORCE. Both are negative Science Factors. Again, if Centrifugal Force (CF) is considered for DISTANCE and if CF is assumed to be resulted by ORBITAL VELOCITY (OV) then, $CF=D=OV$ should be followed. But we know OV is not proportional to DISTANCE but in REVERSE, it is inversely proportional to square root of D (Distance). Kepler's dynamics rejects concepts of Centrifugal Force. Centrifugal force is fiction, not reality

Whether planets revolve or not, they do not fall into the Sun because, THE SUN REPELS PLANETS. If the Sun and stars exert Force of Gravitation, then the whole universe should be in condensed state of ONE DARK SINGLE MASSIVE BODY. There should be neither existence of any light or heat nor existence of stars and Galaxies. The present scattered state of the universe with expansion proves that the STELLAR UNIVERSE EXERTS REPULSION, NOT GRAVITATION.

RETRACTION FORCE (RTF):

I have discovered this new universal Force and named it "RETRACTION FORCE (RTF)". RTF is originated when SRF interacted with GRAVITATION. RTF means REPULSION x ATTRACTION. RTF is the basic force require for SPHERICAL MOTION that is for REVOLUTION & ROTATION of bodies. SPHERICAL motion is not possible either by only ATTRACTION or by only REPULSION. Spherical Motion needs both reverse forces to act on a body from opposite direction. RETRACTION FORCE activates all spherical motions from Intra-Atomic particles to galaxies. Spherical motion is not possible without RTF. RTF is balancing the universe.

RETRACTION FORCE IN THE SOLAR SYSTEM: In the Solar System, the SUN exerts REPULSION while PLANETS-SATELLITES exerts GRAVITATION. By interaction of two reverse forces RETRACTION FORCE (RTF)

is generated. RTF acts on planetary bodies at ratio, which is inversely proportional to square root of distance (d) from the Sun.

$$RTF = 1 \sqrt{d}$$

ORBITAL VELOCITY (OV) is owing to RTF, therefore,

$$OV = 1 \sqrt{d}$$

Planets revolve around the Sun at VELOCITY which is inversely proportional to square root of distance from the Sun. Kepler's dynamics prove THE SUN EXERTS REPULSION FORCE, not gravitation. Gravitational force is the force of attraction by which two or more bodies could come closer or follow pro-center motion. It is not possible to keep bodies at mean constant distances and in spherical motion by Gravitational force. For Spherical motion and to keep bodies in respective orbits and for balancing the astronomical systems there need RETRACTION FORCE. THE ATOMS AND THE GALAXIES ARE IN BALANCE AND FOLLOW SPHERICAL MOTION BY RETRACTION FORCE.

RETRACTION FORCE INSIDE THE ATOMS:

By interaction of the Repulsion and Attraction forces inside atoms, the Retraction Force is generated which keeps intra – atomic elementary particles in revolution and in rotation. Spherical motion needs Retraction Force (RTF). Without RTF Spherical motion is impossible.

INERTIA:

“MOTION WITHOUT FORCE”- the concept of INERTIA is wrong. There need MORE FORCE when a body moves through space having friction and need LESS FORCE when a body moves through space having no friction. But, MOTION NEEDS FORCE. When GALILEO and NEWTON failed to detect REPULSION and RETRACTION forces, INERTIA and CENTRIFUGAL FORCE were imagined which having no real existence. According to STREPULSION PHYSICS and the universal reality, INERTIA and CENTRIFUGAL FORCE are fictitious products of the confused human mind. These are two negative and illusive factors that fooling the world of physical science since four centuries.

SORLOD SPACE SYSTEM:

I HAVE INVENTED A NEW SPACE NAVIGATIONAL TECHNOLOGY BY WHICH SOLAR REPULSION AND RETRACTION FORCES ALONG WITH GRAVITATIONAL FORCE CAN BE UTILISED TO NAVIGATE THE SOLAR SYSTEM. SOLAR SPACE IS FILLED WITH TRILLION FATHOM DEEP OCEAN OF THESE UNKNOWN FORCES, WHICH CAN BE UTILISED FOR SPACE NAVIGATION IN SUBSTITUTE TO PRESENT ARTIFICIAL MAN-MADE FUELS AND NUCLEAR ENERGY. SORLOD SPACE SYSTEM (SSS) IS THE NEW SPACE TECHNOLOGY TO UTILISE THESE NATURAL FORCES FOR INTERPLANETARY SPACE NAVIGATION AND TO ACHIEVE HIGH VELOCITY THAT IS UPTO 10% VELOCITY OF LIGHT. SSS CAN LEAD PRESENT SPACE PROGRAMS AHEAD BY A CENTURY. FOR THE MAN AND MINERALS INTERPLANETARY TRANSPORTATION AND TO COMMERCIALISE THE SOLAR SYSTEM, THE MANKIND NEEDS SORLOD SPACE SYSTEM. IT IS ABSOLUTELY IMPOSSIBLE TO NAVIGATE AND DOMINATE THE SOLAR SYSTEM BY THREE TO FOUR CENTURIES OLD FICTITIOUS THEORIES OF GALILEO AND NEWTON.

SPACE SCIENCE:

Three elementary forces are dominating the Solar System. These are STREPULSION, RETRACTION AND GRAVITATION. But present science world know only one astronomical force and that is the Gravitation. Owing to this ignorance, progress in space navigation is greatly retarded. There need STREPULSION-PHYSICS for these achievements. The nation, which plans its space programs on basic of the Sorlod Space System, will dominate the Solar System and the mankind. SSS is the secret key to explore and conquer the Solar System and beyond.

STREPULSION-PHYSICS:

After my discovery of two universal forces that is of STREPULSION and RETRACTION forces, I have established the new branch of physical Science and titled it “ STREPULSION-PHYSICS (SRP)”. The fundamentals of SRP are accepted by NASA, Washington for further Research and also accepted by the Nobel committee for physics, Stockholm for the Record. The Research papers of SORLOD SPACE SYSTEM of SRP are presented by me to Dr. Jim dodge, director of NASA and to Dr. Ken Hodgkin, Deputy director, Deptt. of Space and Advanced Technology, USA. At 90th World Science Session, Bangalore on 7th Jan. 2003 held at Bangalore University by ISCA.

THERMONUCLEAR REACTION IN STARS:

Thermonuclear Reaction in stars (TNR) is the result of imbalanced intra-atomic Repulsive force, which is 10^{34} times greater than Gravitational intensity. This force causes dequilibrium in stellar atoms. Heavy dense atoms gradually converted into lighter atoms. Thus, heavy radioactive elements turns into helium and hydrogen in last stage and then escaped into the space. So, stellar atmosphere consist mainly these two gaseous elements. The spared mass of stellar atoms converted into Radiating Energy (Light heat) by 20% and 80% in the form of STREPULSION FORCE. This is RETROGRADE ATOMIC CONVERSION OF STELLAR (RACS) MASS. I have discovered this TNR and titled it RACS NUCLEAR REACTION (RNR). RNR is neither fusion nor fission. RNR starts from the surface of the Sun and stars and continued till whole stellar mass consumed into nuclear furnace. Sunspots exhibit inner cooler region, which proves this fact.

George Gamow's concept of TNR by gravitational pressure that starts from the center of stars is wrong. The Sun and stars cannot survive if nuclear reactions start from the center. How gaseous stellar light bodies (as believed) could survive under nuclear explosions at the center with millions of degree temperature? If TNR starts from the center of stars, then, entire stellar universe must disperse in space, as clouds under violent nuclear explosions and that should be the end of the universe. Transfer of heat and light from center of star to the surface by electrostatic forces is a good concept for mental consolation, but not scientific reality. Details of RNR need separate section. So here stated in few outlines only. For details follow my next publication. RNR starts from the surface of stars having no link with Gravitation. Stars exert force of REPULSION, not Gravitation. TNR is not possible under gravitational influence. TNR in stars is activated by Repulsive Forces. Again the Sun and stars are constituted by heavy dense radioactive elements. The density of the Sun is 14.66(earth = 1). TNR is not possible with light gaseous elements.

INTENSITY OF STREPULSION-FORCE (SRF) AND SRF CONSTANT:

I have established UNIVERSAL STREPULSION FORCE CONSTANT (USFC) which values in Units. **1 Unit = the intensity of SRF at distance of 149.6 million Kilometers from the Sun (1 astron unit)**. SRF unit is inversely proportional to distance from the Sun in the Solar System. **$SU = 1 / d$. $SU = \text{square of density of planets in the Solar System}$.**

THE MYSTERY OF BLACK HOLES AND NEUTRON STARS:

There is a belief in present Newtonian Physics that all stars of the universe, in the last stage will be turned into NEUTRON STARS and then into the BLACK HOLES. If this would be the reality, then, after 15 billion years of formation of the universe, considering the life (average) span of normal star by 5 billion years –TODAY the sky should be studded with trillions of Neutron Stars and Black-Holes. That is 70% of the sky should be occupied by these mysterious bodies. However, we know that, not a single body, not even CYGNUS X-1 can be recognized with absolute surety as the BLACK HOLE. The summary is, there is something fundamentally wrong in understanding the phenomena of these "bodies". For first time the phenomena of these mysterious bodies explained in STREPULSION-PHYSICS (SRP): As per SRP, STARS EXERT REPULSION FORCE and are LUMINOUS BODIES. While the so-called BLACK HOLES and NEUTRON STARS are NONLUMINOUS and EXERT GRAVITATION as NONSTELLAR that is PLANETRY STATE BODIES. Therefore, first of all the so called NEUTRON STARS and BLACK-HOLES are NOT

STARS but GIANT MASSIVE AND DENSE PLANETARY STATE BODIES located in BINARY SYSTEMS and also at the CENTRE OF GALAXIES. In Binary System, when plasma-wind ejected by active SRF from bright star companion (as the Solar wind ejected by the Sun) and moved in gravitational field of invisible dark planetary body, the wind attracted towards surface of spinning planetary body and form accretion-disk. For this simple phenomenon, which is common in our Solar System, confused Newtonian devotees, titled these humble dark planetary bodies as "BLACK HOLES". Here "GIVE & TAKE" is by REPULSION & GRAVITATION. These bodies are NONLUMINOUS because these are PLANETS. These are invisible because of planetary constitution. The concept, which states "the gravitational force does not allow even light to escape" is a fantasy for mental amusements.

"EVENT HORIZON" and "DISTORTING SPACE & TIME IN BLACK-HOLE" are products of confused science world. Accordingly, When COSMIC PARTICLES ejected by star companion of Binary System and strike with hard metallic surface of planetary companion at velocity of light, cosmic particles collapsed in forms of X-RAYS, GAMMA RAYS and also RADIO PULSATIONS and spread in space. For these simple phenomena, confused Science world titled the dark invisible planetary companion as NEUTRON STAR. In reality it is not possible by nature to constitute astronomical body by Neutrons only. The Novelty lovers in Astrophysics invented the phenomenon that called "GRAVITATIONAL COLLAPSE". But, stars exert active REPULSION FORCE, not Gravitation. So "Gravitational Collapse" is fiction while in planetary constitution, intra-atomic Repulsive forces balance Gravitational force. So,

“Gravitational Collapse” is impossible with planetary state bodies as well as with stars. Summary: What exists beneath so-called “EVENT-HORIZON” is not distorted “SPACE-TIME” as believed in concept of BLACK HOLE. BLACK HOLE means NOTHING- not even light, space and time! As per Newtonian Physics. But as per SRP what exist within Event-Horizon is not NOTHING but it is something and that “SOMETHING” is an astronomical body of NONSTELLAR CONSTITUTION that is DENSE AND MASSIVE PLANETARY BODY – Nonluminous and invisible because having no own radiation, as it is free from Thermonuclear Reactions. So, what novelties stated for BLACK-HOLES that even “LIGHT DOES NOT ESCAPE, EVEN SPACE & TIME SUCKED INTO BALCK-HOLE, IT OPENS THE “EXIT” FOR ABSOLUTELY NEW AND UNKNOWN UNIVERSE. EVERYTHING TURNED TO “SINGULARIETY”...”TIME STANDSTILL IN BLACK HOLE”... all these are modern mythological statements, the present science world compelled to accept to protect fictitious UNIVERSAL GRAVITATIONAL premise of Newton. STARS EXERT REPULSION. Newtonian Science believes STARS EXERT GRAVITATION. This ignorance has created BLACK HOLES and NEUTRON stars. But in SRP all these Black Holes and Neutron Stars turned into simple PLANETARY bodies- because they exert GRAVITATION and so are no luminous.

Now in recent news “BLACK HOLES COLLIDE” and “BLACK HOLES EXPLODED” are followed. So, now Black holes turned astronomical bodies instead of remaining simply HOLES is good news for confused Science World. If NASA shifts Newtonian devotees to the nearest star to the Sun, they will ‘discover’ NINE GIANT BLACK HOLES and 50 NEUTRON STARS in our Solar System. ONE Black Hole out of nine will be observed and detected as inhabited by intelligent beings and flourish with life- called the EARTH.

NEW FACTS ABOUT THE SUN, STARS AND GALAXIES

- 1) THE SUN AND STARS EXERT FORCE OF REPULSION. THEREFORE WHENEVER EXTERNAL BODIES MOVE IN VICINITY OF STARS, THEY ARE REPELLED BUT NOT ATTRACTED BY THE SUN AND STARS.
- 2) THERMONUCLEAR REACTIONS (TNR) IN STARS STARTS FROM THE SURFACE OF STARS, BUT NOT FROM THE CENTER.
- 3) THE INNER REGION OF STARS IS COOLER THAN THE UPPER REGION.
- 4) TNR IS THE RESULT OF IMBALANCED INTRA-ATOMIC REPULSIVE FORCE (IARF).
- 5) STARS ARE CONSTITUTED BY HEAVY DENSE METALLIC AND RADIOACTIVE ELEMENTS AND POSSESS HIGH DENSITY. DENSITY OF THE SUN IS 14.66 (EARTH=1) BUT NOT 0.23 AS BELIEVED IN PRESENT ASTROPHYSICS. FORMULA: $12.231/0.834=14.66$ AS PER DVdT.
- 6) EJECTION OF SOLAR WIND FROM THE SUN IS ACTIVATED BY THE SOLAR REPULSION FORCE (SRF).
- 7) THE HEAT IS GENERATED BY TNR AT THE SURFACE OF THE SUN IS TRANSMITTED TO UPPER REGION THAT IS TO THE SOLAR CORONA. THEREFORE, TEMPERATURE OF THE CORONA IS ABOUT TWO MILLION DEGREES WHILE OF THE SOLAR SURFACE IS ABOUT 6000 DEGREES. SOLAR REPULSION FORCE TRANSMITS THE HEAT FROM THE SURFACE TO THE CORONA.
- 8) OFF-SOLAR SPIRALLING TORNADOES OF HOT GAS IN THE SUN ARE ACTIVATED BY SOLAR REPULSION FORCE.
- 9) SOLAR SURFACE IS COVERED WITH SHORT-LIVED EXPLOSIONS. THAT COUNTED ABOUT 3000 AT ANY GIVEN TIME, WITH EACH THE SIZE OF EARTH AND POWER OF 100 MEGATONS. SOLAR REPULSION FORCE ACTIVATES EXPLOSIONS THROUGH WHICH SOLAR WIND AND COSMIC PARTICLES RADIATED INTO SPACE. THE FORCE RELEASED IS IN FORM OF REPULSIVE SHOCK WAVES.
- 10) THE SOLAR REPULSION FORCE IS COUNTERBALANCING PLANETARY GRAVITATION AT ORBITAL DISTANCE, SO PLANETS REMAIN IN THEIR ORBITS. SOLAR REPULSION FORCE CONVERTS ABOUT 50% GRAVITATIONAL INTENSITY OF THE SOLAR SYSTEM INTO RETRACTION FORCE. SO, “INVERSE-SQUARE” RATIO OF GRAVITATIONAL FORCE IS OBSERVED THAT IS $G = MM/D^2$. OTHERWISE, $G=MM/D$ WOULD HAVE BEEN FOLLOWED IF THE SUN ALSO EXERTED GRAVITATION.

- 11) THE SOLAR REPULSION FORCE (SRF) IS AN ANTI-GRAVITATIONAL FORCE. SRF CAN BE UTILIZED AS “FUEL” TO NAVIGATE THE SOLAR SYSTEM. ENTIRE SPACE OF THE SOLAR SYSTEM IS “CHARGED” WITH SRF. THIS IS THE GREAT OCEAN OF FORCE STILL UNKNOWN TO THE SCIENCE WORLD, WHICH I HAVE DISCOVERED.
- 12) TWO REVERSE FORCES ARE BALANCING THE UNIVERSE. THESE ARE STELLAR REPULSION FORCE AND NONSTELLAR GRAVITATIONAL FORCE AND FOLLOWS SPHERICAL MOTION BY COSMIC RETRACTION FORCE.
- 13) THE DISTANCE BETWEEN THE SUN AND PLANETS IS NOT RANDOM. THE DISTANCE FOLLOWS A LAW, WHICH IS STILL UNKNOWN TO THE SCIENCE WORLD. I HAVE DISCOVERED THIS NATURAL LAW. THE LAW OF DISTANCE: MEAN DISTANCED (d) IS INVERSELY PROPORTIONAL TO SQUARE OF DENSITY (D) OF PLANETS: $d = 1/D^2$
- 14) DENSITIES OF PLANETS ARE NOT RANDOM BUT FOLLOWS A LAW STILL UNKNOWN TO THE SCIENCE WORLD. I HAVE ESTABLISHED THE LAW. THE LAW OF DENSITY: DENSITIES OF PLANETS ARE INVERSELY PROPORTIONAL TO SQUARE ROOT OF MEAN DISTANCE OF PLANETS FROM THE SUN: $D = 1/\sqrt{d}$
- 15) THE ORBITAL VELOCITY (OV) OF PLANETS IS NOT OWING TO GRAVITATIONAL FORCE OF PLANETS. OV IS OWING TO RETRACTION FORCE. I HAVE ESTABLISHED THE LAW FOR ORBITAL VELOCITY. THE LAW OF OV: OV IS PROPORTIONAL TO DENSITY OF PLANETS.
OV = DENSITY.
- 16) DENSITIES OF NINE PLANETS BASED ON NEWTONIAN CONCEPT ARE WRONG. THESE SHOULD BE CORRECTED AS FOLLOWING: MERCURY=1.607, VENUS = 1.176, EARTH = 1.000, MARS = 0.809, JUPITER = 0.438, SATURN = 0.323, URANUS = 0.228, NEPTUNE = 0.182 AND PLUTO = 0.159. LOWEST DENSITY IS OF PLUTO, NOT SATURN. THE HIGHEST DENSITY IS OF MERCURY. NASA’S MARINER SPACE MISSION RECOGNIZES THE HIGHER DENSITY OF MERCURY.
- 17) MULTIPLY ABOVE DENSITY VALUE WITH 29.8; RESULT WILL BE THE ORBITAL VELOCITY OF PLANET IN KILOMETER PER SECOND.
- 18) MULTIPLY ABOVE DENSITIES OF PLANETS WITH 18.5, RESULT WILL BE ORBITAL VELOCITY IN MILES PER SECOND OF THAT PLANET.
- 19) DIVIDE 92.9 WITH SQUARE OF DENSITY, RESULT WILL BE MEAN DISTANCE OF THE PLANETS FROM THE SUN IN UNIT OF MILLION MILES.
- 20) DIVIDE 149.6 WITH SQUARE OF DENSITY OF PLANET, RESULT WILL BE MEAN DISTANCE OF PLANET FROM THE SUN IN UNIT OF MILLION KILOMETERS. THE ABOVE FOUR FORMULAS AGREES WITH ACTUAL OBSERVED RESULTS. THESE ARE BASED ON DVdT.
- 21) DENSITY, VELOCITY AND DISTANCE ARE INTERLINKED AND IN BALANCE. THIS IS DVd-TRIQUILIBRIUM (DVdT). THE SOLAR SYSTEM IS BALANCED BY THE DVdT. DVdT IS FUNCTIONED BY RETRACTION FORCE. WHEN DVdT BREACHED, THE SOLAR SYSTEM WILL BE DISPERSED IN REMOTE GALACTIC SPACE.
- 22) ATOM IS A SYSTEM, WHICH IS BALANCED BY REPULSION & ATTRACTIVE FORCES. ACCORDINGLY, THE SOLAR SYSTEM, GALAXIES AND THE UNIVERSE ARE THE SYSTEMS WHICH ARE IN BALANCE BY REPULSION & ATTRACTIVE FORCES AND FOLLOWS SPHERICAL MOTION BY RETRACTION FORCE.
- 23) THE PHYSICAL UNIVERSE IS CONSTITUTED BY THREE DIFFERENT KINDS OF MATTER HAVING DIFFERENT ATOMIC CONSTITUTION AND EXERTS DIFFERENT FORCES: STELLAR BODIES EXERT FORCE OF REPULSION. NONSTELLAR BODIES EXERT GRAVITATIONAL FORCE. THERE EXIST A THIRD KIND OF MATTER WHICH NEITHER EXERTS REPULSION NOR

GRAVITATION. THIS IS NEUTRAL MATTER. NEUTRAL MATTER IS MIDDLE STATE BETWEEN STELLAR & NONSTELLAR MATTER.

- 24) NEWTON'S LAW OF GRAVITATION STATES "EVERY PARTICLE OF THE UNIVERSE EXERTS FORCE OF GRAVITATION" BUT THIS LAW IS WRONG. MOST OF THE PARTICLES OF THE UNIVERSE EXERT REPULSION FORCE. SO, THE UNIVERSE IS EXPANDING.
- 25) GALILEO-NEWTON'S THEORY OF INERTIA, NEWTON'S THEORIES OF STELLAR GRAVITATION AND CENTRIFUGAL FORCE AND EINSTEIN'S THEORY OF SPACE-TIME CURVATURE OF THE RELATIVITY ARE NEGATIVE SCIENCE FACTORS HAVING NO EXISTENCE AND HAVING NO INFLUENCE ON ASTRODYNAMICS. THEREFORE THESE THEORIES SHOULD HAVE TO BE DELETED FROM THE TEXT BOOKS OF PHYSICAL SCIENCE.
- 26) THREE ELEMENTARY FORCES DOMINATE THE SOLAR SYSTEM. THESE ARE SOLAR REPULSION FORCE (SRF), PLANETARY GRAVITATIONAL FORCE (PGF) AND RETRACTION FORCE (RTF). BUT PRESENT SCIENCE WORLD KNOWS ONLY ONE ELEMENTARY FORCE AND THAT IS GRAVITATION. OWING TO THIS IGNORANCE, PRESENT SPACE PROGRAMS ARE HANDICAPPED.
- 27) IF PRESENT SPACE PROGRAMS ARE DRAFTED ON BASIC OF STREPULSION PHYSICS, IT IS POSSIBLE TO ACHIEVE 10% OF VELOCITY OF LIGHT TO NAVIGATE THE SOLAR SYSTEM AND BEYOND.
- 28) SORLOD SPACE SYSTEM (SSS) IS THE NEW SPACE TECHNOLOGY HAVING STRENGTH TO LEAD PRESENT SPACE PROGRAMS AHEAD BY A CENTURY. I HAVE INVENTED AND ESTABLISHED THE SORLOD SPACE SYSTEM.
- 29) I HAVE DISCOVERED THE STELLAR UNIVERSAL REPULSION FORCE, COSMIC RETRACTION FORCE AND THE NEUTRAL MATTER.
- 30) THE MYSTERY OF EXPANDING UNIVERSE:

WHY THE UNIVERSE IS EXPANDING? THE UNIVERSE SHOULD BE ON CONTRACTION IF NEWTON'S LAW OF UNIVERSAL GRAVITATION WOULD BE THE REALITY. SO, THERE IS NO REAL AND SCIENTIFIC EXPLANATION FOR PRESENT STATE OF EXPANSION. THE VAGUE EXPLANATIONS ARE BASED ON "BIG-BANG EXPLOSION", "INERTIAL FORCE" AND "SPACE-TIME-CURVATURE" BEING CONSIDERED FOR EXPANSION OF THE UNIVERSE. BUT ALL THESE FACTORS ARE FICTITIOUS AND NON-EXISTING. THEREFORE, THERE IS NO SCIENTIFIC EXPLANATION FOR THIS VIOLENT PHENOMENON OF THE UNIVERSE. THE REAL EXPLANATION IS STATED IN STREPULSION-PHYSICS.

ACCORDING TO SRP, STARS EXERT STELLAR REPULSION FORCE. OWING TO MUTUAL REPULSION BETWEEN STARS, GALAXIES ARE EXPANDING. AS MOST OF THE MASS OF GALAXIES IS CONDENSED INTO STARS, GALAXIES EXERT GALACTIC REPULSION FORCE. OWING TO MUTUAL REPULSION FORCE BETWEEN GALAXIES, GALACTIC CLUSTERS ARE EXPANDING. GALACTIC CLUSTERS EXERT FORCE OF REPULSION. OWING TO MUTUAL REPULSION FORCE BETWEEN GALACTIC CLUSTERS, THE UNIVERSE IS EXPANDING. THIS IS THE MYSTERY OF EXPANDING UNIVERSE. THIS EXPANSION IS FOLLOWED WITH DISPERSION OF STELLAR MASS AND CONVERSION INTO RADIATING ENERGY AND REPULSION FORCE. THEREFORE, THERE WILL BE NO REVERSE COURSE OF CONTRACTION. EXPANSION WILL CONTINUE TILL ENTIRE PHYSICAL MASS OF STELLAR UNIVERSE IS CONVERTED IN THE FORM OF ENERGY AND FORCE. AS RATIO OF STELLAR REPULSION FORCE GOES ON INCREASING WITH TIME, RATIO OF EXPANSION OF THE UNIVERSE ALSO INCREASING WITH TIME. SO, PRESENT UNIVERSE IS ON EXPANSION IN HIGHER RATIO THAN SEVEN BILLION YEARS AGO. THE UNIVERSE IS EXPANDING OWING TO STREPULSION FORCE. THERE IS NEITHER EXISTENCE OF SO CALLED "DARK ENERGY" NOR "DARK FORCE" TO KEEP THE UNIVERSE ON EXPANSION.

DECODING THE MYSTERY OF NEWTON'S INVERSE-SQUARE LAW OF GRAVITATION: $G = MM / D^2$

"Inverse-Square-Law (ISL) is observed in Electromagnetic forces in action where two reverse forces i.e., REPULSION & ATTRACTION are together in action. But when only ONE FORCE that is force of GRAVITATION is considered in the SOLAR SYSTEM by Newton, then the intensity of mutual gravitation between two bodies should follow this

equation: $G = MM/D$. However, equation follows $G = MM/D^2$. There is no answer for this elementary problem in Old Science. I have decoded this unsolved mystery which was puzzled even its founder - Sir Isaac Newton.

As per STREPULSION-PHYSICS, SUN exerts REPULSION FORCE while PLANETS and all rest bodies of the Solar System exert GRAVITATION. Interaction of Repulsion x Gravitation = Retraction force (RTF). Owing to this interaction, the new force is originated that is RTF, which keep all bodies in the Solar System in Revolution and Rotation. In this interaction, 50% of gravitational force is converted into RTF. THEREFORE, ISL is followed.

Explanation: $G = MM/D \times SRF$, $SRF=D$, THEREFORE $G = MM/D \times D$, that is $G = MM/D^2$: SRF = Anti-gravitational force. This is Solar Repulsion force, which converts 50% of G-Force intensity into Retraction force. THEREFORE, INVERSE SQUARE LAW is followed. ISL proves the SUN EXERTS REPULSION FORCE - not gravitation. If the Sun exerted gravitational force, then $G = MM/D$ should be followed.

ASTRONOMICAL EXPLANATION

- $G = M \times m / d$: This ratio followed if the SUN EXERTED GRAVITATION.
 G / SRF : But the Sun exert SOLAR REPULSION FORCE (SRF) which is anti-gravitational force and retards G-intensity.
 $SRF = d$: Solar space is “charged” with SRF. Therefore, it retards G-Intensity in ratio that is proportional to distance (d) between two attracting bodies.

$$G = \frac{M \times m}{d \times SRF} \quad \text{i.e.,} \quad G = \frac{M \times m}{d \times d} \quad \text{i.e.,} \quad G = M \times m / d^2$$

The Gravitational Intensity in the solar System is reduced by ratio of SQUARE OF DISTANCE between two bodies owing to interference of SOLAR REPULSION FORCE. This is not “Universal” law but only applicable in systems where along with G-Force, Repulsion is also in action. Anyhow Newton’s law proves – THE SUN EXERTS REPULSION, not GRAVITATION!

WHERE GALILEO, NEWTON AND EINSTEIN WERE WRONG!

WHERE FUNDAMENTAL THEORIES OF PHYSICS NEED CORRECTIONS?

GALILEO (1564-1642): In Galileo’s time, MOTION of astronomical bodies was observed but FORCE which require for such motion was unknown. So logically Galileo derived the concept of “MOTION WITHOUT FORCE” and this is the Theory of INERTIA. But this is not universal reality. Present day experiments on the Earth and in space proved that there NEED CONSTANT FORCE FOR CONSTANT MOTION. There need LESS force when body moves through FRICTIONLESS (vacuum/void) space and need MORE force when body moves through space having FRICTION (atmosphere). But FORCE REQUIRE FOR MOTION. So concept of INERTIA is wrong which need corrections and modifications.

In STREPULSION-PHYSICS, THREE ELEMENTARY UNIVERSAL FORCES are derived by the author to activate THREE ELEMENTARY UNIVERSAL MOTIONS.

NEWTON (1642-1727): In Newton’s time, knowledge about physical constitution of the SUN and STARS was unknown. So, along with the Earth, planets and satellites of the Solar System, he also considered the SUN and STARS as attracting bodies – exerts GRAVITATIONAL FORCE. But here Newton was wrong. NON-STELLAR bodies exerts force of GRAVITATION is REALITY. But STELLAR BODIES (the sun and stars) exerts force of REPULSION – NOT GRAVITATION. So the physical universe is BALANCED. As stellar mass in the universe is greater, so the universe is on EXPANSION and in SCATTERED STATE of Galaxies.

In STREPULSION-PHYSICS, STELLAR bodies exert force of REPULSION while NON-STELLAR bodies (planetary state) exert GRAVITATION. This is the ultimate universal reality. STELLAR UNIVERSAL REPULSION FORCE is discovered by the author.

EINSTEIN (1879-1955): Astronomical Centrifugal force is fiction while Gravitation is Pro-center force by which spherical motion is impossible. Then by which force astronomical bodies of the universe follow SPHERICAL MOTION? Unhappy and confused Einstein absolutely deleted the concept of FORCE. He compelled to deviate from Classical Science. The FORCE replaced by SPACE-TIME in his General Theory of RELATIVITY (GTR). In GTR, SPACE and TIME are considered as ONE UNIT and all astronomical motions as Revolution, Rotation and Expansion considered to be activated by SPACE-TIME. SPACE-TIME CURVATURE is the basic factor of GTR. But this whole

concept is wrong. (1) SPACE & TIME are two different factors which could not be combined. (2) SPACE & TIME having neither any MASS nor any FORCE. So these factors could not replace the existence of UNIVERSAL FORCES. SPACE and TIME neither could be curved nor they could keep astronomical bodies in motion. (3) SPACE & TIME are not physical factors but LOGICAL FACTORS being an impression on human brain when it observes two or more bodies moving in different direction with different velocities. So, GTR is good for mental consolation. But, GTR is no more any SCIENTIFIC THEORY. GTR is PHILOSOPHICAL doctrine based on mathematical concept instead of on universal reality. According to STREPULSION-PHYSICS, spherical motion (revolution & rotation) of astronomical and intra-atomic bodies is activated by RETRACTION FORCE, which is discovered by the author. STREPULSION-PHYSICS is the foundation of Science for the New Millennium.

CONCLUSION

The fundamental theories of physical science which are established by Galileo, Newton and Einstein need major corrections and modification as stated in Strepulsion-physics. The concept of INERTIA, STELLAR GRAVITATION AND SPACE-TIME CURVATURE ARE NO MORE UNIVERSAL REALITIES.

DEFECTIVE CLASSIFICATION OF FORCES:

According to old physics, there exist four kinds of elementary or basic forces in the universe. These are (1) GRAVITATION, (2) ELECTROMAGNETIC, (3) WEAK NUCLEAR and (4) STRONG NUCLEAR Forces.

But according to the scientific reality, except GRAVITATION, all the other THREE FORCES that mentioned above are not elementary forces. These are simply names of the “source” of the force and by the end result, indicate only ONE FORCE and that is the force of ATTRACTION as proved below. The Science word knows only one elementary force and that is the force of ATTRACTION.

(1) **GRAVITATION:** This is force of ATTRACTION.

(2) **ELECTROMAGNETIC:** This force is resulted by interaction of electrons with protons. Electron is of negative charge while proton is of positive charge. So $N \times P = \text{FORCE OF ATTRACTION}$. This force of attraction keeps atoms intact. Ultimately, this is the FORCE OF ATTRACTION.

(3) **STRONG NUCLEAR FORCE & (4) WEAK NUCLEAR FORCE:** What is Nuclear Force? This is very high intensity force, which binds protons with neutrons. Proton \times Proton = Repulsive force. The Nuclear force counterbalances this high intensity force of Repulsion and keeps all protons together with Neutrons at nucleus. This means, this is a very high intensity force of ATTRACTION by which the atomic constitution is balanced and bounded. Thus ultimately, NUCLEAR FORCE (WEAK & STRONG) is nothing but force of ATTRACTION.

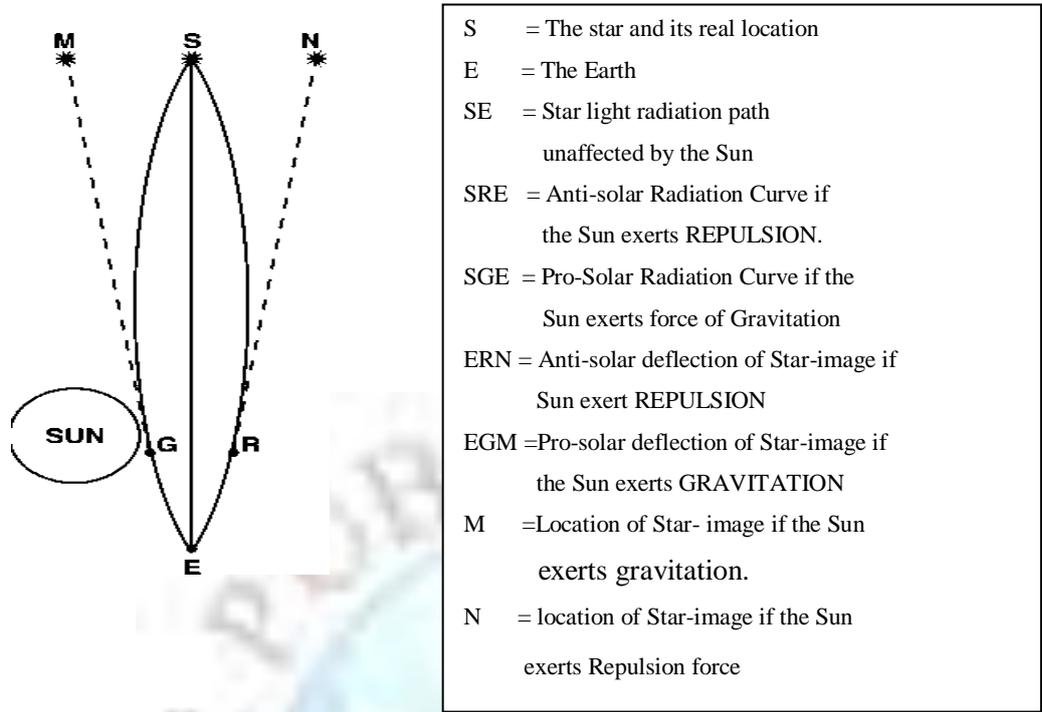
In summary, all present classified four forces are nothing but linked to only one elementary force, that is, the force of attraction. Therefore, this classification of the four forces is defective and unscientific. In reality, the said electromagnetic and nuclear are the sources of force but not forces.

According to ultimate universal reality of strepulsion-physics, there exist only three elementary forces. These are (1) repulsion (2) attraction and (3) retraction. There is no existence of any fourth force in the universe. Present science world knows only one force and that is the force of gravitational attraction. Other two are still unknown to the science world. Owing to this ignorance, the entire theoretical science is haphazard with full of fictitious and anti-science theories. When elementary forces are unknown, what is navigation and what is the law of motion? Owing to ignorance about elementary forces, present achievement in space navigation is no more than “children’s play” with paper boats in village ponds.

WHERE EINSTEIN WAS WRONG? THE SUN REPELS STAR LIGHT

What happens to the starlight rays when radiated in vicinity of the Sun? Are star rays ATTRACTED or REPELLED by the Sun? An experiment was conducted on the day of total Solar Eclipse dated 29th May 1919 at England, to know the solar influence. Even before the outcome of the result of experiment, ALBERT EINSTEIN DECLARED THAT STAR RAYS WILL BE ATTRACTED BY THE SUN. Till now, the entire Science World believed in this statement. But our observations and analysis of all these experiments including the last, which was conducted on 16th February 1980 at Osmania University, Hyderabad, during total Solar Eclipse proved that, STAR RAYS IN ALL EXPERIMENTS WERE REPELLED BY THE SUN – but not attracted. Here is the diagram of the experiment which proves – EINSTEIN WAS WRONG.

According to classical science, if the Sun exerts GRAVITATION, then star rays should be ATTRACTED and if the Sun exerts REPULSION, then star rays should be REPELLED. If the Sun exerts NO FORCE, star rays should follow its original path. Now let us observe what happened in the experiment.



ASSUMPTIONS:

- 1) If the Sun exerts GRAVITATION, then the star rays should be ATTRACTED and follow PRO-SOLAR RADIATION CURVE (SGE) and Star image should follow PRO-SOLAR DEFLECTION (EGM). So star should appear nearer to these Sun than its real location (S) that is at point M.
- 2) If the Sun does not exert any force – then star should appear at its real location S and radiation should follow straight path SE.
- 3) If the Sun exerts force of REPULSION, then the Star rays should be REPELLED and follow ANTISOLAR RADIATION CURVE (SRE) and Star image should be deflected away from the Sun in line of ERN. The Star image should appear at point N, which is at greater distance than the real location (S)

RESULT OF ACTUAL OBSERVATION:

IN ALL OBSERVATIONS, THE STAR IMAGE SHIFTED AT GREATER DISTANCE FROM SUN THAN THE REAL LOCATION. SO STAR APPEARED AT POINT ‘N’ TO THE EARTH OBSERVER. THIS FACT PROVES THAT THE STAR RAYS ARE REPELLED BY THE SUN BECAUSE THE SUN EXERTS REPULSION – NOT GRAVITATION. EINSTEIN WAS WRONG ALONG WITH THE ENTIRE SCIENCE WORLD. STELLAR UNIVERSE EXERTS THE FORCE OF REPULSION, NOT GRAVITATION.

CENTRIFUGAL FORCE AND CONFUSED SCIENCE WORLD

This is an abstract from the book of “PHYSICS” for PSSC course by The National Science foundation of America- page 338-340. "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. 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”. IT IS THE SOLAR REPULSION FORCE THAT COUNTER BALANCES THE GRAVITATIONAL INTENSITY OF THE SOLAR SYSTEM BUT NOT CENTRIFUGAL FORCE. THE SUN AND STARS EXERT FORCE OF REPULSION, NOT GRAVITATION. SOLAR GRAVITATION AND CENTRIFUGAL FORCE SHOULD HAVE TO BE DELETED FROM THE TEXT BOOKS OF ASTRONOMY.

In present physics believed that centrifugal force generated owing to orbital velocity (OV)of planets And mean distances (MD) of planets is owing to intensity of centrifugal force(CF).So $CF = OV = MD$. That is planets should revolve at higher orbital velocity as distance is greater from the sun. But in reality, ratio is reverse. Mercury revolve at highest while Pluto at lowest orbital velocity. This prove Concept of centrifugal force is wrong. Planets may revolve or not will not fall in to the sun because of the solar REPULSION FORCE. The sun repels planets – does not attracts. Newton compelled to invent Centrifugal force because he imagined the sun as attracting body. In reality, solar gravitation and centrifugal force – both are fictitious product of confused human mind. “Centrifugal force is fictitious force having no real existence. Newton compelled to imagine this force to counterbalance solar gravitation and to frame solar system within law of universal gravitation”

**Scientific American -
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**Text Book of Physics
NSA – USA Page 338**

**Source Book of space science
NASA – Page 44.**

THE SORLOD SPACE SYSTEM

THE NEW SPACE NAVIGATIONAL TECHNOLOGY TO LEAD PRESENT SPACE PROGRAMMES AHEAD BY A CENTURY.

THE SOLAR SYSTEM ALONG WITH THE UNIVERSE IS BALANCED AND DOMINATED BY THREE UNIVERSAL FORCES. THESE ARE REPULSION, GRAVITATION AND RETRACTION. BUT PRESENT SCIENCE WORLD KNOWS ONLY ONE UNIVERSAL ASTRONOMICAL FORCE AND THAT IS GRAVITATION. OTHER TWO FORCES ARE STILL UNKNOWN TO THE SCIENCE WORLD.

OWING TO THIS IGNORANCE, TODAY, AFTER EFFORTS OF MORE THAN HALF A CENTURY AND AFTER INVESTMENT IN TRILLIONS IN SPACE STRUGGLE, STILL THE ULTIMATE ACHIEVEMENTS ARE LIKE THE CHILDREN PLAYING WITH PAPER BOATS IN VILLAGE PONDS. WITH ALL KNOWN TECHNOLOGY, STILL IT IS HARDCORE REALITY THAT NEITHER NASA NOR ESA OR ANY SPACE AGENCY OF THE WORLD HAS BEEN ABLE TO KEEP A TINY SATELLITE REVOLVING AROUND THE EARTH FOR "EVER" AS NATURAL MOON IN FIXED ORBIT DRIVEN BY NATURAL FORCES. TODAY, ARTIFICIAL SATELLITES NEED ARTIFICIAL FORCE FOR MOTION AND NEED CONSTANT CORRECTION TO PRESERVE IT IN ITS ORBIT AND AFTER ALL EFFORTS; LIFE SPAN IS ONLY BETWEEN 3 TO 5 YEARS. THIS IS BECAUSE; PRESENT SPACE SCIENCE IS UNAWARE ABOUT THE FORCES, WHICH ARE KEEPING PLANETS AND SATELLITES, ASTEROIDS AND RINGLETS OF THE SOLAR SYSTEM IN REVOLUTION AND ROTATION. GRAVITATION IS PRO-CENTRE FORCE. THIS FORCE CAN KEEP BODIES TO MOVE CLOSER TO EACH OTHER OR TO COLLIDE WITH EACH OTHER. NEITHER SPHERICAL MOTION NOR OFF-CENTRE MOTION IS POSSIBLE BY GRAVITATION, FOR THESE TWO MOTIONS NEED SEPARATE FORCES AND THESE ARE RETRACTION FORCE (FOR SPHERICAL MOTION) AND SOLAR REPULSION FORCE (FOR OFF-SOLAR MOTION).

WITH EFFORTS OF OVER QUARTER OF A CENTURY, WE HAVE ESTABLISHED A NEW SPACE TECHNOLOGY AND NAMED IT "SORLOD SPACE SYSTEM" (SSS). IN THIS SYSTEM, IT IS POSSIBLE TO ACHIEVE INTERPLANETARY

SPACE NAVIGATION IN LINEAR OR SPIRAL FORM BETWEEN NINE PLANETS FOR MEN AND MINERAL TRANSPORTATION BY SOLAR REPULSION FORCE. IT IS POSSIBLE TO BUILD GIANT SPACE STATIONS TO REVOLVE AROUND PLANETS AND AROUND THE SUN BY RETRACTION FORCE.

SOLAR SPACE IS FILLED WITH TRILLION FATHOM DEEP OCEAN OF SOLAR REPULSION FORCE, STILL UNKNOWN TO THE SCIENCE WORLD. THIS FORCE CAN BE UTILISED AS "FUEL" FOR MAN-MADE GIANT SPACE VEHICLES TO NAVIGATE THE SOLAR SYSTEM AND BEYOND. THE SPEED UNDER SSS SYSTEM BEGINS FROM 50 MILES PER SECOND AND CAN BE RAISED UP TO 10% OF THE VELOCITY OF LIGHT.

TO NAVIGATE THE SOLAR SYSTEM, WE NEED TO ACTIVATE THREE KINDS OF MOTIONS. THESE ARE (1) OFF-SOLAR-MOTION (OSM), (2) PRO-SOLAR-MOTION (PSM) AND (3) NEUTRAL SPHERICAL MOTION (NSM). OSM NEEDS SOLAR REPULSION FORCE (SRF), PSM NEEDS GRAVITATIONAL FORCE (PGF) AND NSM NEEDS RETRACTION FORCE (RTF). THE SORLOD SPACE SYSTEM HOLDS THE SECRET KEY TO ACTIVATE THESE THREE MOTIONS BY UTILISING THESE THREE FORCES. DVD-TRIQUILIBRIUM (DVDT) IS THE SECRET ASTROMATHICAL FORMULA TO FUNCTION SSS.

THAT NATION WILL DOMINATE THE MANKIND AND THE SOLAR SYSTEM, WHICH WILL PLAN ITS SPACE PROGRAMMES ON BASIS OF SSS. SSS HOLDS THE SECRET KEY TO NAVIGATE AND DOMINATE THE SOLAR SYSTEM. SSS CAN BOOST SPACE NAVIGATION AHEAD BY A CENTURY.

THE SUPREME ORDER OF UNIVERSAL LAW (SOUL) IN STREPULSION PHYSICS

The SOUL is grand unified law, which explains TOTAL PHENOMENA of the Universe. I derive the SOUL. This is TRIPLE State of the Universe. As per SOUL, the physical universe is constituted of three kinds of elementary MATTERS. These are (1) STELLAR, (2) NON-STELLAR and (3) NEUTRAL. The physical universe exerts three kinds of elementary FORCES. These are (1) REPULSION, (2) ATTRACTION and (3) RETRACTION. The physical universe is under three kinds of elementary MOTIONS. These are (1) OFF-CENTRE MOTION (OCM), (2) PRO-CENTRE MOTION (PCM) and (3) NEUTRAL SPHERICAL MOTION (NSM). NSM means revolution and rotation of universal bodies.

THE SOUL CONSISTS OF THREE UNIVERSAL PRINCIPLES GIVEN BELOW:

- (1) THE STELLAR BODIES EXERT REPULSION FORCE – ACTIVATES OCM.
- (2) NON-STELLAR BODIES EXERT GRAVITATIONAL FORCE – ACTIVATES PCM.
- (3) COMPOUND SYSTEMS EXERT RETRACTION FORCE – ACTIVATES NCM.

(The Solar System, atoms and galaxies are compound systems)

This is the ultimate universal law of Matter, Force and Motion that dominates the universe. The old laws of Motion those derived by Galileo and Newton were defective and wrong. In old laws Centrifugal force and Inertia were considered for astronomical motion but that was wrong approach. In reality Centrifugal force was imagined in place of STREPULSION force and Inertia was imagined in place of RETRACTION FORCE. The SOUL is the ultimate law, which explains all the phenomena of the MATTER, FORCE and MOTION of the universe.

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