

Astrophysics Despite of Newton

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Abstract

“The Electric Universe” treat stars as an Electric Plasma function, here a more mundane, induction motor operation, is employed in lieu of Gravity. “Astrophysics Despite of Newton” and includes new ocean tidal theory with no moon attraction needed to explain tides. There is no gravitational attraction Moon – Earth, or in this essay, Sun to any planet. Earth tides and Moon orbits are both the result from a common energy (GES) source. Moon orbits are all prograde and retrograde orbits relative planets are not relevant. Any close output association is interpreted by Standard Model Physics, as mutual gravitational attraction, non-existent.

ASTROPHYSICS DESPITE NEWTON

ABSTRACT

“The Electric Universe” treat stars as an Electric Plasma function, here a more mundane, induction motor operation, is employed in lieu of Gravity.

“ASTROPHYSICS DESPITE NEWTON” and includes new ocean tidal theory with no moon attraction needed to explain tides. There is no gravitational attraction Moon – Earth, or in this essay, Sun to any planet. Earth tides and Moon orbits are both the result from a common energy (GES) source. Moon orbits are all prograde and retrograde orbits relative planets are not relevant. Any close output association is interpreted by Standard Model Physics, as mutual gravitational attraction, non-existent.

HYPOTHESIS

SOLAR SYSTEM BASIC PHYSICAL OPERATIONS

- A) Operation of the gyroscope.
- B) Electric Current induction motor.
- C) Sun charge field.
- D) Aether Sphere magnetic charge fields, (GES)
- E) Planetary, induced charge magnetic field.

The theory developed is based on the extrapolation from papers of four Authors but does not strictly agree with their findings. Except for link to *A. Evert's* theory of magnetism. All planets and moons of the Solar System operate by same formula, energy system. A Galaxy 26,000 light years in diameter, powering a microscopic dust spec, our “Solar System”. The; ‘Theory’ applies to all planets and moons contained in the Solar System and how their behaviour complies with "E/M THEORY" employed, Gravity being too minute’ to generate any influence. Gravitational force attraction in SPACE is no stronger than two dust specs floating in the Pacific Ocean at 1km spacing. Kepler’s Constant in this environment = $R_k \times V^2$; in lieu of Standard model’s; t^2 / R^3 and applies to GES carriers, transporting planets and moons. Planets and Moons are pollutants, of negligible mass, i.e. Standard Models; visible 5%.

Magnetic GES carriers; are Magnetic spherical Aether gyroscopes pointing to a fixed SPACE reference operating in 3D. Science does not have a physical explanation, but gyros are the heart of all aircraft and rocket guidance systems. GES operation is by a rotating magnetic sphere gyro acting as a rotating magnetic field (STATOR), as utilized in standard induction motor. A rotating magnetic STATOR flux field induces a magnetic field to the rotor, (a planet) causing planet-rotor to spin. Energy induced causes heating which can melt copper in a fraction of a second. On Earth; - liquid core magma.

This GES magnetic energy is the source of planetary spin, molten cores, magnetic fields and lightning. Moons do not have spin or magnetic fields; hence an orbiting ‘FACE’ always points to a specific Centre of orbit at constant radius. Planets having eccentricity within their carrier GES have an unbalance and it is this unbalanced eccentricity which generates magnetic induction. VENUS and PLUTO are moons, by this hypothesis.

Relative to the SUN, GES carriers orbit anti clockwise, A.C.W. from a defined North pole. Planets, the induced magnetic rotor, are carried A.C.W. but also spins A.C.W. reversing the orbit direction to remain at a static location. A simple analogy can be achieved by rolling a golf ball in circular bowl which is tilted slightly. The bowl representing the orbiting GES with gravity the spin reversing vector, while the ball represents a planetary pollutant. This balancing-reversing mechanism, maintains planets in a fixed location with reference to SPACE, evidenced by Aphelion and Perihelion and associated eccentricities.

Planetary orbits lie between two extremes. Extremes at constant distances, reference to the SUN. The problem for a ‘gravity’ theory is a variable force complying with the “Inverse Square Law”; is in opposition to maximum and minimum extremes the wrong way around.

With magnetic GES theory, the centre of a carrier GES is at a constant distance from the SUN during orbit, at the Kepler Radius (R_k) and Kepler's Constant ($R_k \cdot V_o^2$) is exact for centre of all GES carriers. Orbiting velocity, V_o is a property of the GES carrier. Planetary eccentricities are only relevant to their spin rates. Kepler's: equal areas swept in equal time applies exactly to GES carriers, not to Planetary Pollutants. When applied to planets, planets are in need a variable speed engine, to comply with S.M. hypothesis; not yet found.

Checking: - Theory for GES ratios to EARTH:

Eccentricity is property of planetary pollutant within GES carrier:

Aphelion = 152,000,000km; Perihelion = 147,000,000km.

Eccentricity = $(Aph - Per) / 2 = 5,000,000km / 2 = 2,500,000km$

Kepler radius $R_k = (Aph + Per) / 2 = (152,000,000 + 147,000,000) / 2 = 299,000,000 / 2$

$R_k = 149,500,000km$

GES Orbital Velocity = $(2 \times \pi \times R_k) / 365.24days = (2 \times \pi \times 149,500,000) / 365.24days$

GES: - $V_o = 29.767km/s$

GES Kepler's Constant = $149,500,000 \times 29.767^2 = 1.495 \times 10^8 \times 2.97672^2 \times 10^2 = 13.247^{10} km^3/s^2$

Earth charge radius; Ecc. / spin revs. = $2,500,000 / (365.24 / 2) = 13,689km$

[Author; Moon ratios and orbital periods were separately derived from the same geometry; and periods are defined by geometry]

CREATE A NEW FICTITIOUS PLANET-complying with these ratios; -

Eccentricity = 10,000,000km

Kepler Radius = 120,000,000km.

SOLUTIONS

Kepler's Constant = $13.247 \times 10^{10} km^3/s^2 = R_k \times V_o^2$

$V_o^2 = 13.2458 \times 10^{10} / 120,000,000$

GES: - $V_o = 33.22km/s$

Aphelion = $R_k + Ecc. = 130,000,000km$

Perihelion = $R_k - Ecc. = 110,000,000km$

Spin rate; -

Reverse Distance travelled within GES = $2 \times \pi \times Ecc. = 62,831,853km$

GES Period = $62,831,853km / 33.22km/s = 1,891,386s = 21.89d/rev$ of GES

GES Sun Orbit period = 43.782d (planet year)

Planet Charge radius = distance / revs = $62,831,853 / 21.89 = 2,870,345km$

INSPIRING AUTHORS (who support a 'SPACE' gravity)

A) A. Aspden (England)

B) Prof. Kanarev (Russia)

C) M. Mathis (U.S.A)

D) A. Evert (Europe)

HYPOTHESIS G_v volume FUDGE

(Replacment for 'Boys ; G')

Derive an alternative volume G_v ; -volume displacement fudge to derive 'g';

$F = G_v \times volume \times m_2 / r^2 = g m_2 = 9.815 \times m_2$ (Earth value)

$G_v = 9.815 \cdot r^2 / (4/3 \cdot \pi \cdot r^3) = 9.815 / r(4/3 \cdot \pi) = 2.35175/r = 3.67/10^7$

'g' = $(3.676/10^7) \cdot 4/3 \cdot \pi \cdot r = 4.1888 \times 3.676/10^7 \cdot R = (15.4/10^7) \cdot r$

EARTH CHECK;- $'g' = 15.4/10^7 \cdot r = 15.4/10^7 \times 6,371,000\text{m/s}^2 = 9.811\text{m/s}^2$

Solar System pollutants; Alternative 'g values'. Based on S.M. values.

Body	Mass (kg)	'g' values
Earth	5.98×10^{24}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 6378 = 9.82\text{m/s}^2$
Mercury	3.30×10^{23}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 2439 = 3.75557\text{m/s}^2$
Venus	4.87×10^{24}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 6051 = 9.317\text{m/s}^2$
Mars	6.42×10^{23}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 3,393 = 5.2 \text{ m/s}^2$
Jupiter	1.90×10^{27}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 71,492 = 110 \text{ m/s}^2$
Saturn	5.69×10^{26}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 60,268 = 92.8 \text{ m/s}^2$
Uranus	8.68×10^{25}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 25,559 = 39.3 \text{ m/s}^2$
Neptune	1.02×10^{26}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 24,764 = 38.1 \text{ m/s}^2$
Pluto	1.29×10^{22}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 1,150 = 1.77 \text{ m/s}^2$
Moon	7.35×10^{22}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 1,738 = 2.67\text{m/s}^2$

Ganymede	1.48×10^{23}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 2,631 = 4.05 \text{ m/s}^2$
Titan	1.35×10^{23}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 2,575 = 3.96 \text{ m/s}^2$
Sun	1.99×10^{30}	$3.676 \cdot 10^{-7} \times 4/3 \cdot \pi \cdot 695,510 = 1,071.7\text{m/s}^2$

JUPITER

EXAMPLE

Gas giants generate from a smaller core radius by this hypothesis, thereby treating visible atmosphere as part of planet radius is not allowed. Atmospheric radius is not considered part of planet Earth's radius. However, a third 'G' value, derived from 'Charge Radius' could be employed? as an alternative volume displacement methodology.

DATA

Planet spin period = 0.4167d (9.925hrs)

Planet orbit period = 4,330.6d

Planet spins = 10,392.6 per 360^0 orbit and must have a strong induced magnetic field,

GES = 5,196.3 spins per R_2 spin.

Planet radius = 69,911 km [standard Model data including gaseous atmosphere]

Jupiter axis tilt = 3.13^0 ; Standard model 'g' = 24.79m/s;

Eccentricity = $(816,600,000 - 740,697,835) / 2 = 37,951,083\text{km}$.

$R_k = 778,648,918 \text{ km}$ in 2/1 ratio to create Aphelion – Perihelion;

$R_2 = 778,648,918 \text{ km} / 3 = 259,549,639\text{km}$ and 2 spins per orbit;

$R_1 = 2 \times R_2 = 519,099,288\text{km}$;

Orbit GES velocity about Sun = $2 \times \pi \times 778,648,918 / (4,330.6) = 13.07\text{km/s}$ A.C.W.

Spin and balancing C.W. reverse Orbit.

Planet charge radius = ecc / spins = 37,951,083km / 5,192.56 = 7,308.74km and Planet

radius must be less than 7,307.7 km. and << than visible 69,911km

$$'g' < 3.676 \cdot 10^{-7} \times 4/3 \times \pi \times 7,307\text{km} < 11.25\text{m/s}^2$$

MOON TIDES

There is no correlation between published tidal tables and twin high tides theory advocated by Standard Model's; "Moon triple attraction" hypothesis. Tidal Tables identify a single high tide orbiting approx. twice per day; approx. 12.5hrs per 360⁰ orbit. GES Theory defines this single high tide.

SUMMARY

Application of Theory verifies Kepler's Constant is equally applicable to all Solar System planets and moons. An alternative "G" = G_v defines planetary 'g values' proportional to volume and redefines their effective "Charge Radius". Finally, a single high tide orbits approx. twice per day.

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