Gerges Equations For Solar Group Geometry
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The Assumption Of S. Virgin Mary -Written in Cairo – Egypt – 29th June 2019

Abstract

During 2013-2019 – I have studied the solar group geometry and discovered the following 5 Equations:

1- Planet Gravity Equation (Point 2-1)
2- Planet Orbital Distance Equation (Point 2-2)
3- Planet Diameter Equation (Point 2-3)
4- The Sun Rays Production Equation (Point 2-4)
5- Venus Diameter Equation (Point 2-5)
6- An Argument against The Big Bang Theory (Point 2-6)

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IN THE ALMIGHTY GOD NAME
Through the Mother of God mediation
I do this research

2-1 Planet Gravity Equation

Gerges Equation For Planet Gravity

The planet gravity = \left( \frac{\text{Earth Diameter}}{\text{The Planet Diameter}} \right)^2 \times \left( \frac{\text{The Planet Mass}}{\text{The Earth Mass}} \right) \times \text{Earth gravity}

I- Data

<table>
<thead>
<tr>
<th>Planet</th>
<th>Equation</th>
<th>Resulted</th>
<th>Registered</th>
<th>Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Sun</td>
<td>\left( \frac{\text{Earth/Sun diameters rate}}{109} \right)^2 \times \left( \frac{\text{Sun Mass}}{\text{Earth Mass}} \right) \times \text{Earth gravity} = 274</td>
<td>274</td>
<td>274</td>
<td>0</td>
</tr>
<tr>
<td>Moon</td>
<td>(3.66)^2 \times (0.073 / 5.97) \times 9.8 = 1.6 m/sec^2</td>
<td>1.6 m/sec^2</td>
<td>1.6 m/sec^2</td>
<td>0</td>
</tr>
<tr>
<td>Mercury</td>
<td>(2.61)^2 \times (0.23/5.97) \times 9.8 = 3.7 m/sec^2</td>
<td>3.7 m/sec^2</td>
<td>3.7 m/sec^2</td>
<td>0</td>
</tr>
<tr>
<td>Venus</td>
<td>(1.0538)^2 \times 4.87 /5.97) \times 9.8 = 8.9 m/sec^2</td>
<td>8.9 m/sec^2</td>
<td>8.9 m/sec^2</td>
<td>0</td>
</tr>
<tr>
<td>Earth</td>
<td>9.8</td>
<td>9.8</td>
<td>9.8</td>
<td>0</td>
</tr>
<tr>
<td>Mars</td>
<td>(1.878)^2 \times (0.642 / 5.97) \times 9.8 = 3.7 m/sec2</td>
<td>3.7 m/sec2</td>
<td>3.7 m/sec2</td>
<td>0</td>
</tr>
<tr>
<td>Jupiter</td>
<td>(0.0892)^2 \times (1898 / 5.97) \times 9.8 = 24.7 m/sec2</td>
<td>23.1 m/sec2</td>
<td>6.9%</td>
<td></td>
</tr>
<tr>
<td>Saturn</td>
<td>(0.10582)^2 \times (568/5.97) \times 9.8 = 10.44 m/sec2</td>
<td>9 m/sec2</td>
<td>16%</td>
<td></td>
</tr>
<tr>
<td>Uranus</td>
<td>(0.25)^2 \times (86.8/5.97) \times 9.8 = 8.9 m/sec2</td>
<td>8.7</td>
<td>2.3%</td>
<td></td>
</tr>
<tr>
<td>Neptune</td>
<td>(0.2575)^2 \times (102 / 5.97) \times 9.8 = 11.1 m/sec2</td>
<td>11 m/sec2</td>
<td>0.9%</td>
<td></td>
</tr>
<tr>
<td>Pluto</td>
<td>(5.337)^2 \times (0.0131 / 5.97) \times 9.8 = 0.6125 m/sec^2</td>
<td>0.6 m/sec^2</td>
<td>2%</td>
<td></td>
</tr>
</tbody>
</table>

II- Discussion

1. We can see that, the Equation is working sufficiently with all planets and even the sun follows this same equation, **Except With Jupiter And Saturn There Are great Errors** (6.9% and 16% respectively…. **Why?)**

2. I claim there are relativistic effects in the solar group and this 2 great errors are found basically because of these relativistic effects…
   Please review –
   There's A Light Beam Travels With 1.16 mkm per sec (My Claim) [http://vixra.org/abs/1904.0236](http://vixra.org/abs/1904.0236)

3. we need to observe and analyze deeply **The Sun Equation** in row No.1 of the previous table, because this equation supports my claim that the sun is originated from the same source from which the solar group is originated, otherwise why the sun herself follows the same equation? That may support my claim that, the sun rays is created depends on solar planets motions accumulation….
   Please review
   The Sun Gravity Concept is Unreal (Proves) [http://vixra.org/abs/1903.0569](http://vixra.org/abs/1903.0569)

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2-2 Planet Orbital Distance Equation
Gerges Equation For Planet Orbital Distance

\[ d^2 = 4d_0(d-d_0) \]

Where
\[ d = \text{Planet Orbital Distance} \quad d_0 = \text{Previous Planet Orbital Distance} \]

There are 3 exceptions which are:
- Earth depends on Mercury
- Mars depends on Venus
- Pluto depends on Uranus

The equation disturbances are found only with Mars, Pluto as we expected and Earth also as a result of Mars immigration

Let’s see this equation using in following

1. Venus Orbital Distance \(108.2 \text{ mkm}\)^2 = \(4\) * Mercury Orbital Distance \(57.9\text{ mkm} \times 50.3\text{ mkm}\)
   Mercury Venus distance. (No error)

2. (Earth Orbital Distance.149.6 mkm)^2 = \(4\) * Mercury Orbital Distance \(57.9\text{ mkm} \times 91.7\text{ mkm}\)
   Mercury Earth distance) (2.5%)

3. (Mars Orbital Distance 227.9 mkm)^2 = \(4\) * Venus Orbital Distance 108.2 mkm x 120 mkm
   Venus Mars distance) (No error)

4. (Ceres Orbital Distance 415 mkm)^2 = \(4\) * Mars Orbital Distance 227.9 mkm x 187 mkm
   Mars Ceres distance) (No error)

5. (Jupiter Orbital Distance 778.6 mkm)^2 = \(4\) * Ceres Orbital Distance 415 mkm x 364 mkm
   Ceres Jupiter distance) (No error)

6. (Saturn Orbital Distance 1433.5 mkm)^2 = \(4\) * Jupiter Orbital Distance 778.6 mkm x 655.7 mkm
   Jupiter Saturn distance) (No error)

7. (Uranus Orbital Distance 2872.5 mkm)^2 = \(4\) * Saturn Orbital Distance 1433.5 mkm x 1439 mkm
   Saturn Uranus distance) (No error)

8. (Neptune Orbital Distance 4495.1 mkm)^2 = \(4\) * Uranus Orbital Distance 2872.5 mkm x 1622 mkm
   Uranus Neptune distance) (4%)

9. (Pluto Orbital Distance 5870 mkm)^2 = \(4\) * Uranus Orbital Distance 2872.5 mkm x 2997.5 mkm
   Uranus Pluto distance) (No error)

3-4-1 The Discussion

The Equation works perfectly except with Mars, Earth and Pluto .... Why?

Because I claim that Mars was nearer to the sun with orbital distance =84 million km and Mars had to immigrate to his new point with orbital distance 227.9 mkm – also Mars immigration pushed Pluto to immigrate – please review my paper


Pluto was "The Mercury Moon" [http://vixra.org/abs/1807.0331](http://vixra.org/abs/1807.0331)
2-3 Solar Planet Diameter Equation

Gerges Equation For Planet Diameter And Orbital Distance Relationship

\[ D = R \times 10^9 \]

Where \( D \) = planet orbital distance  \( R \) = Planet diameter  

Let's see that in following

- \( 10^9 \times \) Mercury diameter 4879 \( = 57.9 \) mkm Mercury orbital distance
- \( 10^9 \times \) Venus diameter 12104 \( = 144.9 \) mkm (Mars Displacement)
- \( 10^9 \times \) Moon diameter 3475 \( = 41.4 \) mkm (Earth – Venus distance)
- \( 10^9 \times \) Earth diameter 12756 \( = 149.6 \) mkm (Earth Orbital distance)
- \( 10^9 \times \) Mars diameter 6792 \( = 80.5 \) mkm (Earth – Mars distance)
- \( 10^9 \times \) Jupiter diameter 142984 \( = 1700 \) mkm (Mars – Jupiter Circumference)
- \( 10^9 \times \) Saturn diameter 120536 \( = 1433.5 \) mkm (Saturn Orbital Distance)
- \( 10^9 \times \) Uranus diameter 51118 \( = 607.5 \) mkm
- \( 10^9 \times \) Neptune diameter 49528 \( \times 2\pi \) \( = 3700 \) mkm (Jupiter Neptune distance)
- \( 10^9 \times \) Pluto diameter 2390 \( \times \pi \) \( = 89 \) mkm (Earth – Mercury distance- 3% error)

II-Discussion

- Previous data tells us that \( D \) is Not only (the Planet orbital distance), but also a distance between 2 planets (or even the circumference of this distance)
  (i.e. \( D \) defines the planet position)

- I claim that, the Equation was consistent but the disturbance is found because of Mars immigration caused many disturbance for this equation

For more details please review

Theory of Matter Creation
http://vixra.org/abs/1812.0473

Solar Planet Diameter Creation Rule
http://vixra.org/abs/1807.0190

Is the 2737 Phenomenon a Real One?
http://vixra.org/abs/1901.0381
2-4- The Sun Rays Production Equation

Gerges Equation For Sun Rays production

\[ \frac{1}{4} C \times 4 C = C^2 \]

Where
- \(1/4 C\): The planets velocities total relative to the sun
- \(4C\): The High Velocity Of Light, I claim is found behind the Solar geometrical structure
- \(C^2\): The sun light source

The Equation Explanation

Let's summarize this equation idea in following:

The Sun Rays Energy is produce by the solar planets motions energies accumulation.

i.e.
The Solar Planets Motions Energies Total Produce The Sun Rays

To do that we have 2 steps:
1- To gather the solar planets velocities daily together (1\textsuperscript{st} step)
2- To create a new rate of time (1 second of the sun time = 366 seconds of Earth time)

Let's do these 2 steps in following:

\textbf{(1\textsuperscript{st} Step) Planets Velocities Total}

<table>
<thead>
<tr>
<th>Table No. 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Planet</td>
<td>Daily Velocity</td>
</tr>
<tr>
<td>Mercury</td>
<td>4.095 mkm</td>
</tr>
<tr>
<td>Venus</td>
<td>3.02 mkm</td>
</tr>
<tr>
<td>Earth</td>
<td>2.58 mkm</td>
</tr>
<tr>
<td>Earth Moon</td>
<td>2.41 mkm</td>
</tr>
<tr>
<td>Mars</td>
<td>2.082 mkm</td>
</tr>
<tr>
<td>Jupiter</td>
<td>1.1318 mkm</td>
</tr>
<tr>
<td>Saturn</td>
<td>0.838 mkm</td>
</tr>
<tr>
<td>Uranus</td>
<td>0.5875 mkm</td>
</tr>
<tr>
<td>Neptune</td>
<td>0.4665 mkm</td>
</tr>
<tr>
<td>Pluto</td>
<td>0.406 mkm</td>
</tr>
<tr>
<td>Total</td>
<td>17.6 mkm</td>
</tr>
</tbody>
</table>

Why Earth Moon velocity daily = 2.41 mkm?
The moon has to move a distance = Earth motion daily = 2.58 mkm otherwise they will be separated from each other – but because there are relativistic effects in the solar group –this value 2.58 mkm is contracted to be 2.41 mkm – so this value is the moon real velocity after the relativistic contraction –

Let's ask how we can understand the moon daily displacement 88000 km?

Let's try toon answer in following
The Moon Daily Displacement:
- The moon moves a distance = 2.58 mkm daily = Earth motion distance, and that's why other don't separate from each other
But because
- There are relativistic effects in the solar group this value 2.58 mkm is contracted to be 2.41 mkm by the rate 1.0725 which we have studied frequently…
- So the moon daily motion distance in fact is shorter that Earth Daily motion distance
- So the daily displacement is found because Earth pulls the Moon this required distance 0.17 mkm to make the value 2.41 mkm equal the value 2.58 mkm
- The pulling process is done by geometrical; mechanism causes that we see only 1/2 of this distance 0.17 mkm so we see the moon daily displacement = 88,000 km.
Please review
  The Moon Orbit Analysis [http://vixra.org/abs/1811.0422]
  The Moon Orbit Triangle [http://vixra.org/abs/1901.0082]

Why We See the Sun Disc = the Moon Disc? [http://vixra.org/abs/1903.0322]

(2nd Step) A new Rate of Time
This Step is build on a hypothesis that
One Day on the sun = one Year on Earth
This rate of time is produced based on the special theory of relativity concepts
For me this is mere hypothesis because I can't till now define Earth real velocity clearly (where I claim that Earth real velocity = 0.99 c where c = light velocity)
Please review
Uranus Is Perpendicular on Earth Moon Orbit [http://vixra.org/abs/1906.0316]

The Equation Explanation
Gerges Equation For Sun Rays production
\[
\frac{1}{4} C \times 4 C = C^2
\]
Where
- \( C^2 \): The sun light source
- \( 1/4 C \): planets velocities daily total
- \( 4C \): light with higher velocity (1.16 mkm/sec) – please review

There's A Light Beam Travels With 1.16 mkm per sec (My Claim) [http://vixra.org/abs/1904.0236]

Special Theory Of Relativity (Questions For Discussion) [http://vixra.org/abs/1906.0008]

Earth moves with light velocity relative to the sun [http://vixra.org/abs/1709.0331]

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2-5 Venus Diameter Equation  
Gerges Equation For Venus Diameter 

\[ D = AR^2 \sqrt{\pi} \]

Where
\[ D = \text{the planet distance to the sun or to another planet} \]
\[ A = \text{constant} \]
\[ R_v = \text{Venus diameter} \]

<table>
<thead>
<tr>
<th>Table No. 8</th>
<th>Constant</th>
<th>*(\pi^n)</th>
<th>The distance</th>
<th>Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Venus diameter)^2</td>
<td>*(\pi^0)</td>
<td>149.6 mkm Earth orbital distance</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi)</td>
<td>455.8 m km Mars Orbital diameter</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2)</td>
<td>1433.5 m km Saturn Orbital distance</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2) *(\pi)</td>
<td>720.3 m km Mercury Jupiter distance</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2) *(\pi)</td>
<td>Uranus orbital distance</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2) *(\pi) *(\pi)</td>
<td>Pluto orbital distance</td>
<td>1.4%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^3)</td>
<td>Neptune orbital distance</td>
<td>1.1%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^1) *(\pi)</td>
<td>Earth Mercury distance</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2) *(\pi) *(\pi)</td>
<td>Mercury orbital distance</td>
<td>2.5%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>*(\pi^2) *(\pi) *(\pi) *(\pi)</td>
<td>Venus Mars distance</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Note please: (-) means the error less than 1%

Discussion
Why Venus diameter is the same constant defining all planets orbital distances?

Let's summarize the idea in following:
The matter and Space are created together from the same energy and for that the matter is a rate between different distances
Please review
Special Relativity Hypothesis Reason (Matter Creation Theory)
http://vixra.org/abs/1801.0343

Why The Light Is The Universe Highest Velocity? http://vixra.org/abs/1801.0369
2-6 An Argument against The Big Bang Theory

I-Data

<table>
<thead>
<tr>
<th>Table No. 4</th>
<th>No Error More Than 1.5%</th>
<th>The Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Relationship</td>
<td>The Rate</td>
<td></td>
</tr>
<tr>
<td>Earth Diameter / Venus Diameter =</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Mars Diameter / Earth Radius =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mars Diameter / Venus Radius =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Venus Diameter / Moon Circumference =</td>
<td>A²</td>
<td></td>
</tr>
<tr>
<td>Moon Radius * Π/ Mercury Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pluto Circumference / Mars Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uranus Circumference / Jupiter Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lunar apogee radius /lunar perigee radius =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pluto Circumference / Earth Radius =</td>
<td>A³</td>
<td></td>
</tr>
<tr>
<td>Mercury Circumference / Earth Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earth Diameter / Moon Circumference =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uranus Radius / Mars Circumference =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jupiter Diameter / Saturn Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturn diameter / Uranus Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Venus Radius / Mercury Diameter =</td>
<td>A⁴</td>
<td></td>
</tr>
<tr>
<td>Uranus Diameter / Earth Circumference =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uranus Diameter / Venus Circumference =</td>
<td>A⁵</td>
<td></td>
</tr>
<tr>
<td>Jupiter Radius / Uranus Diameter =</td>
<td>A⁶</td>
<td></td>
</tr>
<tr>
<td>Mercury Diameter / Moon Diameter =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mars Diameter / Mercury Diameter =</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Discussion

The idea is clear,
The solar planets diameters rates which are seen in the table tell us that, the solar planets diameters can't be created by any random process which disproves the big bang theory

Please review

No Random Process Causes The Solar Group Creation (No Big Bang)
http://vixra.org/abs/1904.0014

Theory of Matter Creation
http://vixra.org/abs/1812.0473