

## The Solar Group Geometry Analysis (Questions & Answers) (Part I)

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The Assumption Of S. Virgin Mary -Written in Cairo – Egypt – 30<sup>th</sup> April 2019

### Abstract

This Paper claims the following:

- The Solar group current Description and theory are incorrect and insufficient
- The Solar group current Description and theory contradicts the solar planet data geometrical analysis.

In this paper we discuss 6 questions with their answers which can show and prove the solar group current theory and description weakness and insufficiently...

### The Questions Are In Following:

- 1- How The Planet Diameter Is Created?
- 2- How The Planet Orbital Distance Is Defined? By Gravity Force ...is it True?
- 3- What's The Most Near Distribution For The Solar Planets Order?
- 4- Why Earth moves Daily A Distance = The Moon Orbit Circumference?
- 5- Why The Light Velocity Is The Universe Highest Velocity?
- 6- Can The Planet Mass be created independently from the other planets masses?

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**Question No. 1**

### How The Planet Diameter Is Created?

The Current theory answers this question as following:

A big star was followed the sun, later had exploded and from this star matter the solar planets matters were created –

So Each planet diameter is created **RANDOMLY** ....Please **Remember** this word....  
So

The Total Solar Eclipse because we see the sun disc = the moon disc, Why? Because

$$\frac{\text{The Sun Diameter}}{\text{The Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moonl Distance}} = 400$$

Is there a geometrical reason behind the previous Equation? No ...!

But

Table No.1	No Error More Than 1.5%	
The Relationship		The Rate
Earth Diameter / Venus Diameter	=	A
= Mars Diameter / Earth Radius	=	
Mars Diameter / Venus Radius	=	A <sup>2</sup>
= Venus Diameter / Moon Circumference	=	
= Moon Radius * π/ Mercury Diameter	=	
= Pluto Circumference / Mars Diameter	=	
=Uranus Circumference / Jupiter Diameter	=	
= lunar apogee radius /lunar perigee radius	=	
Pluto Circumference / Earth Radius	=	A <sup>3</sup>
= Mercury Circumference / Earth Diameter	=	
= Earth Diameter / Moon Circumference	=	
= Uranus Radius / Mars Circumference	=	
= Jupiter Diameter / Saturn Diameter	=	
= Saturn diameter / Uranus Diameter	=	
Venus Radius / Mercury Diameter	=	A <sup>4</sup>
= Uranus Diameter / Earth Circumference	=	
Uranus Diameter / Venus Circumference	=	A <sup>5</sup>
Jupiter Radius / Uranus Diameter	=	A <sup>6</sup>
= Mercury Diameter / Moon Diameter	=	
= Mars Diameter / Mercury Diameter	=	

By random the planets diameters can be created in rates to each other as this table shows! So "The Planet Diameter Is Created By Random Process" is a wrong answer The theory is incorrect! The solar planet diameter is created based on geometrical relationships with the other planets diameters- there's no Planet Diameter is created independently... (Big Bang Theory is Unreal)- the next Data support that clearly.

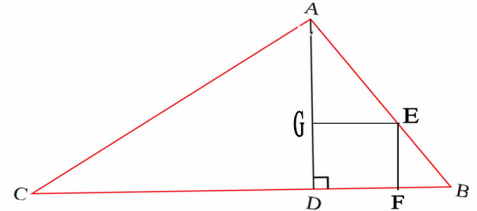
**More Data**

- **Solar Planets Diameters Total = 2 Jupiter Diameters + 1 Saturn Diameter**
- **The Solar Planets Diameters Total = Earth Moon Distance At Apogee Point**
- **2 Saturn Circumferences = 2 Jupiter Circumferences – 1 Jupiter Diameter**
- **Saturn Circumference = Earth Moon Distance At Total Solar Eclipse.**

**More Data**

Let's suppose **C is Earth**

- $AB = 120536 \text{ km} (= \text{Saturn diameter})$
- $CB = 449000 \text{ km} (= \text{Jupiter Circumference})$
- $AC = 373000 \text{ km} (= \text{Saturn Circumference}) = 373000 \text{ km} (= \text{Earth Moon Distance when the moon at solar eclipse radius})$



**Details of CB**

- $CD = 363000 \text{ km} (= \text{Earth Moon Distance when the moon at perigee point})$
- $CF = 406000 \text{ km} (= \text{Earth Moon Distance when the moon at apogee point})$
- $DF = FB = 43000 \text{ km} (= \text{distance between perigee and apogee})$
- $AD$  is Perpendicular on the base  $CB$  where  $AD = DB = 86000 \text{ km}$
- $EF = GD = 43000 \text{ km}$  ( $DFEG$  is a square its dimension  $= 43000 \text{ km}$ )
- $EF$  is perpendicular on the base, so the angle  $(BEF) = 45 \text{ degrees}$ .

**Table No. 2**

**"The Solar Planets Diameters Total Relationship With The Moon Orbit"**

If Earth diameter = 12756 km, is considered to be = **1**

i.e. The Earth Circumference which = 40080 km, will be just = **π**

So The Following Is Correct	Error
❖ Earth Circumference = <b>π</b>	-
❖ Solar Inner Planets diameter total = <b>π</b>	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter) = <b>π</b>	1.3%
❖ Moon Perigee orbit radius = <b>9 π</b>	-
❖ Solar outer planets diameters total = <b>9 π</b>	-
❖ Moon orbit apogee radius = <b>10 π</b>	1.2
❖ All solar planets diameters total = <b>10 π</b>	1
❖ 2 Jupiter diameter + Saturn diameter = <b>10 π</b>	-
❖ Saturn Circumference = <b>9.5 π</b>	-
= Moon orbit radius at total solar eclipse	
❖ Jupiter Circumference = <b>11 π</b>	1.9
❖ The Sun diameter = <b>11 π<sup>2</sup></b>	1.2

**The Conclusion**

It's impossible to create the solar planets diameters by any random process – the general description and theory are incorrect.

The Moon Orbit Analysis [https://www.academia.edu/37856075/The\\_Moon\\_Orbit\\_Analysis](https://www.academia.edu/37856075/The_Moon_Orbit_Analysis)

## Question No. 2

### How The Planet Orbital Distance Is Defined? By Gravity Forces!

Let's examine this answer

#### 1<sup>st</sup> Critic /

- The inner planets order (Mercury – Venus – Earth) shows that there's some relationship between the planet diameter (and mass) with its orbital distance, means **Greater Diameter (And Mass) needs Greater Orbital Distance** ...
- The outer planets order (Jupiter- Saturn- Uranus- Neptune – Pluto) tells that the rule is reversed where **Greater Diameter needs Shorter Orbital Distance** .... But...The order depends on **the diameter and NOT on the Mass** because Uranus Diameter is greater that Neptune, but Neptune Mass is greater than Uranus..

When this question was asked the answer was .....

#### "The Planet Orbital Distance Is Defined Based on The Initial Points"

But I couldn't accept this answer...because

- Both the inner and outer planets orders provide 2 different forms for **the same rule** ..... means all solar planets order provide a clear proof that there's some relationship between the planet diameter and orbital distance (and **disproves the relationship between the planet mass and orbital distance**)
- The rule reversal is done with Mars which lead to create more deep studies to evaluate Mars Position in the solar group (which may refer to that Mars had changed his orbital distance through the solar group history – which will disprove also the claim that the planet orbital distance is defined by masses gravity).

#### 2<sup>nd</sup> Critic/

- If the planet moves by gravity, and defines its orbital distance by the gravitation equation, which depends on the masses, **Why Jupiter isn't in the place of Mercury?** Why the greatest Mass has not the shortest orbital distance? According to the gravitation equation ( $m/r^2$ )?
- If the Planet moves by gravity why the Moon rotates Metonic Cycle (19 sidereal years) which the Earth doesn't (as the current theory tells us)... how the follower planet can rotates a cycle doesn't by Its parent planet?

The Previous argument leads us to the following conclusions:

#### The Conclusions

- 1- There's A Relationship Between The Planet Diameter And Its Orbital Distance
- 2- **Mars causes Disturbance For This Relationship**
- 3- **The planet orbital distance is defined based on the planet diameter and not on the planet Mass (disprove the gravity concept)**

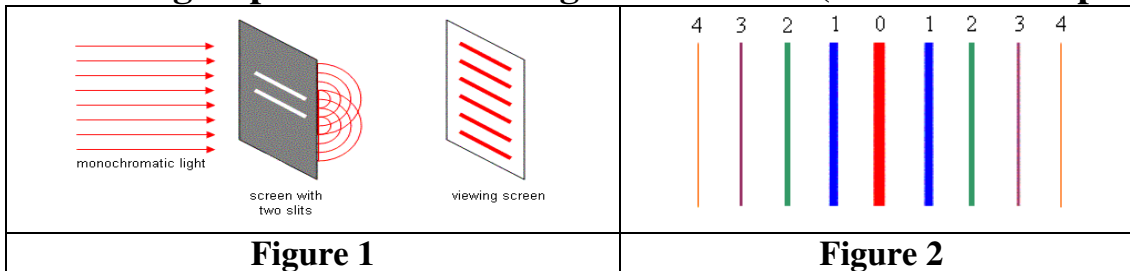
Please review

There's A Light Beam Travels With 1.16 mkm per sec (My Claim)

<http://vixra.org/abs/1904.0236>

**Question No. 3**

**What's The Most Near Distribution For The Solar Planets Order?  
Young Experiment of the Light Coherence (Double Slit Experiment)**



**I- Double Slit Experiment**

- We know from the double Slit Experiment (Young Experiment), that 2 light beams may get coherence together, and the result will be bright and dark fringes
- that tells us there are 2 different types of light beams, the original light and the bright fringe
- The bright fringes thickness decreases regularly from the middle one to both sides (i.e. the bright fringe greatest thickness in the middle one- figure No. 2)
- **The Solar Planets Distribution corresponds to The Bright Fringes**
  - o Jupiter the Most Great Planet (Fringe) is found in the Middle
  - o Both Ends have the smallest planets (Mercury and Pluto)
  - o The Planets volumes and Masses decrease regularly at both sides from Jupiter
    - Saturn / Mars (exceptional)
    - Uranus / Earth
    - Neptune / Venus
    - Pluto / Mercury
    - Only One Exception is Mars

Mars is exceptional – please remember that Mars was the geometrical rule reversal point in the previous argument (question No. 2)

Mars is exceptional also in the following rule which can support the same claim

**Solar Planet Orbital Distance Equation (Gerges Francis Equation)**

$$d^2 = 4d_o(d-d_o)$$

Where

d= Planet Orbital Distance

d<sub>o</sub>= 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  $108.2 \text{ mkm}^2 = 4 * \text{Mercury Orbital Distance } 57.9 \text{ mkm} \times 50.3 \text{ mkm}$   
Mercury Venus distance. (No error)
- 2-  
(Earth Orbital Distance.  $149.6 \text{ mkm}^2 = 4 * \text{Mercury Orbital Distance } 57.9 \text{ mkm} \times 91.7 \text{ mkm}$   
Mercury Earth distance) (2.5%)
- 3-  
(Mars Orbital Distance  $227.9 \text{ mkm}^2 = 4 * \text{Venus Orbital Distance } 108.2 \text{ mkm} \times 120 \text{ mkm}$   
Venus Mars distance) (No error)
- 4-  
(Ceres Orbital Distance  $415 \text{ mkm}^2 = 4 * \text{Mars Orbital Distance } 227.9 \text{ mkm} \times 187 \text{ mkm}$   
Mars Ceres distance) (No error)
- 5-  
(Jupiter Orbital Distance  $778.6 \text{ mkm}^2 = 4 * \text{Ceres Orbital Distance } 415 \text{ mkm} \times 364 \text{ mkm}$   
Ceres Jupiter distance) (No error)
- 6-  
(Saturn Orbital Distance  $1433.5 \text{ mkm}^2 = 4 * \text{Jupiter Orbital Distance } 778.6 \text{ mkm} \times 655.7 \text{ mkm}$   
Jupiter Saturn distance) (No error)
- 7-  
(Uranus Orbital Distance  $2872.5 \text{ mkm}^2 = 4 * \text{Saturn Orbital Distance } 1433.5 \text{ mkm} \times 1439 \text{ mkm}$   
Saturn Uranus distance) (No error)
- 8-  
(Neptune Orbital Distance  $4495.1 \text{ mkm}^2 = 4 * \text{Uranus Orbital Distance } 2872.5 \text{ mkm} \times 1622 \text{ mkm}$   
Uranus Neptune distance) (4%)
- 9-  
(Pluto Orbital Distance  $5870 \text{ mkm}^2 = 4 * \text{Uranus Orbital Distance } 2872.5 \text{ mkm} \times 2997.5 \text{ mkm}$   
Uranus Pluto distance) (No error)

### 3-4-1 The Discussion

The Equation works perfectly with all planets except (**Mars**, Earth and Pluto) .... Why?

- Mars again is the exceptional Planet in the used rule...let's remember the main idea in point No. 3.... We have found that the rule is reversed with Mars ...why? And I have suggested that may Mars had changed his orbital distance through the solar group history....! Can that be possible

The idea is easy and clear let's summarize it in following:

- Mars was the third planet in order, where the second planet was Mercury and the first one was Pluto...(so the rule will work easily and clearly ....greater diameter needs greater orbital distance) ....

But what had happened?

- Mars had immigrated from his original point (as third planet in order) to dwell in his new orbital distance with  $227.9 \text{ mkm}$  from the sun (forth planet in order)
- Mars immigration was so hard process (as great earthquake) which had forced Pluto to be thrown very far from **its original point** (1<sup>st</sup> Planet in order) that because of Pluto small volume and Mass. So Mars and Pluto be exceptional in rules resulting of this process

But why Earth also is exceptional

- Because Earth was the fourth Planet and became the third one – Mars immigrated behind Earth and that makes Earth position also effected by this same process...that's why the planet diameter and orbital distance can't be controlled perfectly by the previous equation...

## Question No. 4

### Why Earth moves Daily A Distance = The Moon Orbit Circumference?

Earth daily motion distance = 2.58mkm = the moon orbital Circumference at apogee radius ( $r=0.406\text{mkm}$ ) so the circumference =  $2\pi \times 0.406\text{mkm} = 2.58\text{mkm}$ ..why?

I have tried frequently to solve this question .....let's try here one more time...

- Earth and Moon move by equal velocities - Otherwise they should be separated from Each other- if the situation is such so the moon should be seen as a bright stationary point in the Earth Sky ...and No changes the moon will show .... But this is Unreal....why? let's try to analyze the actual data....
- We have 2 equal distances – Earth Daily Motion Distance (d) and the moon Orbit Circumference (C ) now  $d = C$  ...**Note Please** d is almost a straight line trajectory but C is a curved one (Circumference)... !

### How that can be occurred..?

- It's Einstein experiment... he had left the rock to be dropped from the moving train – and he had seen the rock falling trajectory as a straight line but this same trajectory is seen by People standing on the train platform as a curved trajectory.... We have a similar case here... we see the Earth Motion Distance as a straight line Trajectory but the moon Circumference as a curved one...

### What conclusion we may reach here?

- We move with Earth by the same velocity (So Earth is Static for Us) but there's some difference in velocities between Earth and moon motions which causes the straight trajectory to be seen as a curved one.....easy idea but unacceptable! Why? Because ..... if there's a difference in Earth and Moon velocities that will cause the separation between each other...! they aren't separated ..so No difference in Velocity ...and No straight trajectory will be seen as a curved one

*There's one solution for this dilemma....*

- Earth and Moon Velocities difference is found in some stage in their motions course and this difference will cause the straight line trajectory to be a curved one and then this difference is compensated later to enable the moon to reach to the Earth and prevent their separation...

### How this idea can work really? let's see that as deeply as possible...

- I have suggested that there are relativistic effects in the solar group – where the length contraction phenomenon causes the rate 1.0725....

Let's tell the story in following...

- Earth Daily motion = 2.58 mkm .... Moon Should move by this distance also
- Moon Daily motion = 2.58 mkm but because there are relativistic effects between The Earth and Moon so ...  $2.58 \text{ mkm} = 1.0725 \times 2.41 \text{ mkm}$
- That means ..The Moon Daily motion in fact 2.41 mkm ... now there's a difference in velocities between Earth and Moon Motions **which causes the straight line trajectory to be seen as a curved one...**

- The required distance 0.17 mkm is provided by Mars Effect On The Moon Motion Trajectory- which enable the Moon to reach to Earth Again and prevent their separation...
- Mars effect is seen in the moon daily displacement (88000km)- this distance the moon moves daily by Mars effect and Mars causes this distance (88000km) to perform the required distance ( $0.17\text{mkm} = 2 \times 88000\text{km}$ )-
- Mars Effect on the Moon Motion explain the Harmony between Mars and the Moon Data which we have noticed before.

**But**

- The relativistic effects cause geometrical effects and rules to control the solar group motions....

That means..

- The geometrical rules to which I have referred in the abstract in addition to many other geometrical rules all of them are found for geometrical necessity created by the relativistic effects... which causes a great extension for Special Theory of Relativity and provide many new fields for astrophysics research..

Please review

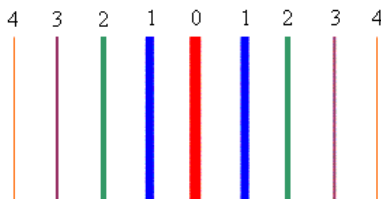
Why Earth moves Daily A Distance = The Moon Orbit Circumference?

<http://vixra.org/abs/1904.0387>



## Question No. 5

### Why The Light Velocity Is The Universe Highest Velocity?



#### I- Double Slit Experiment (Light Coherence Experiment by the physicist Young)

- We know from the double Slit Experiment (Young Experiment), that 2 light beams may get coherence together, and the result will be bright and dark fringes
- that tells us there are 2 different types of light beams, the original light and the bright fringe
- The bright fringes thickness decreases regularly from the middle one to both sides (i.e. the bright fringe greatest thickness in the middle one- figure No. 2)

#### II- The Main Hypothesis

##### The Matter Is The Bright Fringe Produced By Light Beams Coherence

This hypothesis I explained its mechanism in my paper "The Earth moves with light velocity relative to the sun" (<http://vixra.org/abs/1709.0331>)

#### III- The Theory

If The matter is the Bright Fringe we would conclude the following:

- The Matter should be changing with time because the matter (bright fringe) is produced based on light coherence process, which is interactive changing process continuously (so this hypothesis explains the observed matter change feature)
- The Matter is the Bright Fringe means our bodies are also the Bright fringes, means our bodies are produced from light beams coherence, that explains the continuous change
- **Our bodies are made based on specific light beams coherence**, that means we can't discover or recognize any other kind of light beams because our body is connected only with this specific light
- So we can't realize the original light beams because our bodies made of the bright fringes
- That means for us the maximum light velocity is C because we can't realize the light higher velocity, where our body connected us just with the bright fringes (Bright fringe is a Light Beam with C velocity)
- The previous explanation tells us why we can't understand the solar system Geometry clearly, because **Not all data is available before us** where many data is absent from us because we are limited to the bright fringe from which our bodies are created. so we can't reach the whole system easily because parts of this system are higher than our capacities of observation (higher than the 5 senses)

Please review

Why The Light Velocity Is The Universe Highest Velocity?

<http://vixra.org/abs/1801.0369>

## Question No. 6

**Is The Planet Mass created independently from the other planets masses?**

### I-Data

**The Earth Mass**  $= 5.97 * 10^{24}$  kg

And

**The total four planets (Mercury, Venus, Moon & Mars) Masses**  $= 5.915 * 10^{24}$  kg

(It's very near to each other where the difference between them is 0.9%)

We may remember Anderson experiment 1932, where he had produced electron & positron from Gamma Rays (1.2Mev) (where the Electron and Position are equal in their Masses)

So I claim the following:

### I- The Earth is the Big Electron

i.e.

The Earth Atoms will have positive charge in their nucleus with clouds of electrons around it (it's **Real** for the earth)

### II- The Four Planets together consist The Big Positron...

i.e.

The four planets have negative charges in their nucleus with clouds of positrons around it (Hypothesis)

Any way there's a difference between both Masses=0.9% =  $0.055 * 10^{24}$  kg

(this value we should treat in the following point)

## 2- The electron has negative charge & positron has a positive charge which causes the attraction between them..

So the Force which save the inner in their orbit around the sun isn't the masses gravity but the electrical charges attraction ....

So ...No Masses Gravity

The Detailed Calculations are in following:

1<sup>st</sup> Side : **Earth Mass**  $= 5.97 * 10^{24}$  kg

2<sup>nd</sup> Side : **The (Mercury+ Venus + Moon+ Mars) Masses**  $= 5.915 * 10^{24}$  kg

**And the difference between them equals 0.9% =  $0.055 * 10^{24}$  kg**

We know that

**The Sun/ Earth effective bending energy =  $0.25 * 10^{34}$  Joule**  
(Fundamental Physics Book – David Halidy – Page No. 262)

But

The Earth Mass is equal 50.2% of the total inner planets Masses (5 planets)

So

**Total Effective Bending Energy (For 5 Planets) =  $0.497 * 10^{34}$  Joule (1)**

**The Masses difference (Earth – 4 planets) = 0.9% =  $0.055 * 10^{24}$  kg**

**The Masses Difference Energy =  $mc^2 = 0.055 * 10^{24}$  kg \*  $(300000 \text{ km/s})^2$**   
**=  $0.495 * 10^{34}$  Joule (2)**

**So the side (1) = the side (2)**

Please review The Solar System Geometry (Part I) <http://vixra.org/abs/1509.0126>

The Previous idea is an example only

In fact all solar planets Masses are related to each other as the previous explanation tells us...let's provide some more explanation in following:

### **Solar Group Masses Distribution**

The solar group total mass distribution gives us new vision about the Mass

Let's see that as following...

- The solar group total mass =  $2667 * 10^{24}$  kg,
- This mass total is divided into 2 parts with rate 1:  $(3.66)^2 = 200 : 2467$
- Value  $2467 * 10^{24}$  kg is divided with rate 3/10 (Saturn Mass/Jupiter mass)
- **$200 * 10^{24}$  kg is separated into 2 equal parts 100 (Neptune Mass) + 100 (others mass)**

**From this distribution, we found that,**

- $100 * 10^{24}$  kg (the rest after Neptune) is separated to 88 Uranus + 12 the rest
- **$12 * 10^{24}$  kg is separated into 2 equal parts 6 (Earth Mass) + 6 (total masses of Mercury + Venus+ Moon +Mars)**

### **The Conclusion**

I have found it's hard to produce the solar planets masses by such rates to each without geometrical or physical reasons

That means

The Planet Mass can't be created independently from the other planets masses and even can't be created independently from the sun Mass

The solar group is one machine and each single data in this machine is created based on the other data.....Please review

The Solar Group is One Geometrical Structure <http://vixra.org/abs/1811.0523>  
and

Solar Group Geometrical Structure <http://vixra.org/abs/1805.0081>

### **Gerges Francis Twadrous Curriculum Vitae**

<http://vixra.org/abs/1902.0044>

or

[https://www.academia.edu/38285624/Gerges\\_Francis\\_Tawdrous\\_Curriculum\\_Vitae\\_.doc](https://www.academia.edu/38285624/Gerges_Francis_Tawdrous_Curriculum_Vitae_.doc)

or

<https://www.slideshare.net/Gergesfrancis/gerges-francis-tawdrous-curriculum-vitae>

### **Author Other Papers**

Why Earth moves Daily A Distance = The Moon Orbit Circumference?

<http://vixra.org/abs/1904.0387>

There's A Light Beam Travels With 1.16 mkm per sec (My Claim)

<http://vixra.org/abs/1904.0236>

Saturn Effect On The Solar Group Geometry

<http://vixra.org/abs/1904.0203>

Time And Distance Equivalence (Proves)

<http://vixra.org/abs/1904.0125>

Why Saturn Orbital Distance = Saturn Uranus Distance?

<http://vixra.org/abs/1904.0108>