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Why We See The Sun Disc = The Moon Disc? (T.S. Eclipse II) By Gerges Francis Twadrous

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The Assumption Of S. Virgin Mary -Written in Cairo – Egypt – 17th March 2019

1- Abstract

This paper discusses Mercury Data to prove 3 conclusions which are:

- The solar group is one machine, each planet is a gear in this same machine.
 (i.e. each solar planet depends on other solar planets in his <u>Origin And</u> <u>Motion</u>).
- 2- Mercury Data shows a relationship with Jupiter can't be explained by gravity concept or any current theory. (i.e. **The Solar Group Current Theory Is Insufficient**)
- 3- Special Theory of Relativity provides empirical results only and need a theoretical extension to be a complete theory. (Specifically, the theory needs to explain why the lorentz length contraction phenomenon is done and what geometrical effect it practices)

The paper also suggest the following idea

"The Time existence depends on relativistic effects"

i.e.

"Time Definition" is a process extends beyond the human daily experiences

This paper completes the previous discussion

Total Solar Eclipse Analysis (Part I)

http://vixra.org/abs/1903.0091

or

https://www.academia.edu/s/9ae5f4af5d/total-solar-eclipse-analysis-part-i

or

https://www.slideshare.net/Gergesfrancis/total-solar-eclipse-analysis

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2- Introduction

We complete our analysis to explain why we see the sun disc = the moon disc? to answer, we have to discuss Mercury Data according to what 1st conclusion of this paper abstract tells us:

"The solar group is one machine, each planet is a gear in this same machine. (i.e. each solar planet depends on other solar planets in his Origin And Motion)"

Simply I suggest that Mercury effects on our vision and force us to see the sun disc = the moon disc, that's we analyze Mercury Data in this paper....

Let's start from Mercury Jupiter Relationship...

(I) Mercury Jupiter distance

- Mercury Jupiter distance = 720.7 mkm
- Mercury orbital Circumference = 360 mkm (Mercury orbital period =88 days)

But

- Mercury Day = 2 Mercury Orbital Periods Approximately (176 days)
- i.e. Mercury moves during his day period a **distance = 720.7 mkm**
- The previous data is found by Pure Coincidences, the current theory learnt us clearly! any way this is repeated!
- Venus orbital Circumference 680 mkm = Venus Jupiter distance 670 mkm (approximately)

Also

- Earth orbital circumference (940 mkm) = Earth Jupiter distance approximately when Earth and Jupiter be at different sides from the sun!

Simply the three planets define their distance to Jupiter in relationships with their orbital circumferences! Why?

(II) Jupiter Orbital Circumference

4900 mkm (Jupiter Orbital Circumference)

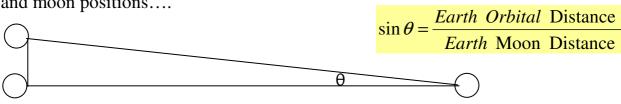
- = The Sun Diameter x The Moon Diameter
- = Jupiter Circumference x The Moon Circumference
- = Mercury diameter x Jupiter diameter x Mercury Orbital Inclination

Let's write these relationships in more clear form

1 million km = Jupiter diameter 142984 km x Mercury orbital inclination 7deg.

=(Jupiter Orbital Circumference 4900 mkm/ Mercury diameter 4900km)

Also $1/7 = \theta = 1/(Mercury orbital inclination)$ is the angle in the sun defined by Sun, Earth and moon positions....



The 2 near circles are Earth and Moon where the far one is the sun, angle θ = 0.142984 It's hard to explain all that, let's see more data about this angle

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(III) Data $\theta = 1/7 = 0.142984$

Let's provide the following Equations

Equation No. 1

$$\sin \theta = \frac{Earth \ Orbital \ Distance}{Earth \ Moon \ Distance}$$

Equation No. 2

$$\sin \theta \times \frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = 0.532 \text{ degrees "Total Solar Eclipse Angle } \phi$$
"

Equation No. 3

$$\frac{\text{Earth Daimeter}}{\text{Moon Daimeter}} = \frac{\text{Moon Daimeter}}{\pi D} = \frac{\text{Sun Diameter}}{\text{Earth Moon Distance}} = \frac{\text{Jupiter Circumference}}{\text{Saturn Daimeter}} = \frac{\theta}{\phi} = 3.66$$

D: is the covered distance on Earth by the total solar umbra shadow =304 km

Equation No. 4

let's remember our question why do we see the Sun Disc = The moon Disc? Because

$$\frac{\text{Sun Diameter}}{\text{Moon Diameter}} = \frac{\text{Earth Orbital Distance}}{\text{Earth Moon Distance}} = \frac{\text{Moon Orbital Circumfeence}}{\text{Earth Raduis}} = 400$$

IV- Mercury Data

- Mercury orbital Circumference = 360 km (velocity 4.095 x 88 days), but Mercury orbital distance=57.9 mkm so Mercury orbital Circumference should be 364mkm! (360 mkm = 0.99 x 364 mkm... rate 0.99 will be used in Mercury data frequently)
- Mercury orbital circumference = 360 million km = Mercury Ceres Distance = Ceres Jupiter distance (Max error 1%)
- i.e. Mercury during his orbital period moves a distance = Mercury Ceres distance And Mercury during his day period moves a distance = Mercury Jupiter distance!

More Data

- Mercury moves during 346.6 days (the nodal year) a distance = 1419.2 mkm (1419.2 mkm = 1433.5 mkm x 0.99)
- Mercury moves during 1433.5 days a distance = 5870 mkm (Pluto orbital distance) (Note 1433.5 mkm = Saturn orbital distance) we have discussed it in the previous paper..

Also

Please see Solar Group Geometrical Structure http://vixra.org/abs/1805.0081

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V- Why 1 million km is important Value?

The answer is in 4 points

(1st Point) Pythagoras Rule

 $R_n^2 + (86000 \text{km})^2 = R_{n+1}^2$

I-Data

- 1) (363000 km = moon orbital radius "At Perigee Point")
- 2) $(86000 \text{ km})^2 + (363000 \text{ km})^2$ (perigee radius) = $(373000 \text{ km})^2$ (377000 km = total solar eclipse radius error 1%)
- 3) $(86000 \text{ km})^2 + (373000 \text{ km})^2 = (384000 \text{ km})^2$ (384000 km = moon orbital average radius "registered in Nasa Fact sheet")
- 4) $2x (86000 \text{ km})^2 + (384000)^2 = (403000 \text{ km})^2$ (406000 km = moon orbital radius "at apogee point")

II- Discussion

The moon motion main points are defined clearly based on Pythagoras rule (Perigee – Total Solar Eclipse - Average Orbital Radius - Apogee) radiuses....Why? I tried frequently to explain that, the planet motion depends on geometrical structure

It's not the gravity which pushes the planet to move....but the geometrical structure

which created the planet matter and orbital distance, defined also the planet motion.. That's why the moon motion main points are defined by geometrical rules.... These geometrical rules are found with the original energy from which the matter and space are created... so when the moon and his orbital distance are created both created based on these geometrical rules which discuss here...

Why we use the value 86000km?

The moon free space (distance from perigee to apogee) = 43000km and this value is the double value 43000x 2= 86000km...but why we use it? this question we should answer in point No. 4 (Jupiter Circumference)

Conclusion:

The previous equations tell that the main 4 points on the moon orbit are defined basically by Pythagoras rule...

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$(2^{nd} Point)$ Moon Orbital Circumference at $R_n = (1/R_{n+1})$

I-Data

Moon Orbital Circumference at R_n (In million km) = $\frac{1}{\text{Moon Orbital Radius } R_n$ (In million km)

-	$R_1 = 363000 \text{ km (Perigee Radius)}$	= 0.363 mkm	Circumference= 2.281 mkm
-	$R_2 = 377000 \text{ km (Total Solar Radius)}$	= 0.377 mkm	Circumference= 2.41 mkm
-	$R_3 = 384000 \text{ km}$ (Moon Orbital Radius)	= 0.384 mkm	Circumference= 2.58 mkm
_	$R_4 = 406000 \text{ km}$ (Apogee Radius)	= 0.406 mkm	Circumference= 2.754 mkm

From the previous data we can conclude that, the rule is true

(1/0.363 mkm) =2.754 mkm (1/0.377 mkm) =2.63 mkm (1/0.384 mkm) =2.58 mkm (1/0.406 mkm) =2.41 mkm

II-Discussion

The previous data tells us that, the rule is performed correctly... Specially the values 0.384 mkm and 0.406 mkm which show the rule perfectly....

(1/0.384 mkm) = 2.58 mkm = 0.406 mkm x 2π (1/0.406 mkm) = 2.41 mkm = 0.384 mkm x 2π

The other values are working also in the moon orbit but we need to extend our discussion to see that in better vision....we should do that in next points...

But here we have only one questionwhich is:

Why moon orbital circumference multiplies with moon orbital radius = 1mkm²? Because

1million km² is the defined energy from which the moon orbital different radiuses are created.. it's similar to Neptune orbital distance... let's remember it here...

Neptune Orbital Distance = 4495.1 mkm =

- = 50.3mkm (Mercury Venues distance) x 91.9 mkm (Mercury Earth distance)
- =108.2 mkm (Venus orbital distance) x 41.4mkm (Venus Earth distance)
- = 57.9 mkm (Mercury orbital distance) x 78.3 mkm (Earth Mars Distance)

We have noticed that before and asked why any 2 inner distances multiplies produce the same value (Neptune orbital distance 4495.1mkm)?

The answer was because

- i. The distance is Energy
- ii. Neptune orbital distance is the energy source from which the inner planets created their orbital and internal distances...

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For more details please review Solar Group Geometrical Structure http://vixra.org/abs/1805.0081

The question is the same....

Why multiplication of the moon orbital circumference with the moon orbital radius = 1 million km²?

Because this 1 million km² is the source of Energy from which the moon orbital different radiuses are created..

In which direction this 1 mkm² is found?

xyz coordinates may help us to answer this question...the moon orbital radius is perpendicular on the moon orbital circumference tangent.. so let's suppose the radius is x and circumference tangent is y so... $x y = 1 \text{ mkm} \dots \text{why}$? Because it's this "Z axis"

That means 1 million km² is perpendicular on the xy plain....what does that mean? The moon orbit source of Energy is perpendicular on the moon orbit plain? Why? Because this is the sent energy from Uranus to the moon by which the moon built his orbit and does his motion... Uranus is perpendicular on the moon orbit that's why the source of Energy is perpendicular on the moon orbit...

Let's remember this idea here..

Light (with c velocity) travels from Uranus to Jupiter in 6939.75 seconds, this motion produces the moon required Energy to rotates Metonic Cycle, so the energy is sent from Uranus to Jupiter to the moon orbit (Perpendicular on the orbit plain) to acause the moon motion based on the light motion but with different rate of time... so 1 seond in light motion will be 1 day in the moon motion which produces Metonic Cycle 6939.75 days...

So Metonic Cycle is done because the moon orbit is built to perofm it, that'w why the moon orbit regresses 19 degrees yearly.

The Conclusion:

Please review

The Moon Orbital Diameter = 1 mkm works In 3 Directions As xyz Coordinates..

Note please: from long time I have suggested that, the moon orbital diameter =1 mkm and not = 0.812 mkm This conclusion I have reach from the following equation: 108.2mkm (Venus orbital distance) x 0.384mkm (Moon orbital distance) = 41.4mkm² 41.4mkm = Venus Earth distance, but 41.4 mkm² is an Area? How to solve that? If the moon orbital diameter = 1 million km, in this case I can claim that Venus Earth distance is 41.4 mkm in length and 1 million km breadth which makes it an area

http://vixra.org/abs/1811.0389

For Uranus effect on the moon orbit please review Uranus Position In The Sky http://vixra.org/abs/1806.0212

The Moon Geometry

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(3rd Point) (Moon Orbital Circumference at R_{n+1} / Moon Orbital Circumference at R_n) =1.0725 I- Data

Apogee Orbital Circumference
$$(r = 0.406 \text{ mkm}) = 2.58 \text{ mkm}$$
Moon Orbital Circumference $(r = 0.384 \text{ mkm}) = 2.41 \text{ mkm}$

$$\frac{2.754 \text{ mkm} (\text{r} = 0.439 \text{ mkm}) =}{\text{Apogee OrbitalCircumference} (\text{r} = 0.406 \text{ mkm}) = 2.58 \text{ mkm}} = 1.0725$$

The previous data tries to show that the value 2.754 mkm (=1/0.363 mkm), this value 2.756mkm has the same rate (1.0725) as the moon orbital other circumferences ...

That means the value 2.756 mkm is a geometrical in the moon orbital streture, even if the moon doesn't reach to its point.... r=4.39 million km

How this value is a geometrical player if the moon doesn't reach to its point?

We'll answer this question with the other one "why we used 86000km in pythogras rule (rule no.1)... in point no.5

But here we need to see the rate 1.0725 in more clear light... let's start immediately... (a)

$$\frac{25.2 \text{ Mars axail tilt}}{23.4 \text{ Earth axail tilt}} = \frac{26.7 \text{ Satrun axail tilt}}{25.2 \text{ Mars axail tilt}} = \frac{28.3 \text{ Neptune axail tilt}}{26.7 \text{ Satrun axail tilt}} = 1.0725$$

(b)

$$\frac{115.2 \text{ Mars axail tilt}}{113.4 \text{ Earth axail tilt}} = \frac{116.7 \text{ Satrun axail tilt}}{115.2 \text{ Mars axail tilt}} = \frac{116.7 \text{ Satrun axail tilt}}{118.3 \text{ Neptune axail tilt}} = \frac{120}{122.5 \text{ PLuto axail Tilt}}$$

Equation a tells that, 4 planets axial tilts are rated to each other by this same rate 1.0725 But equation b tells us that, the relationships between the planets axial tilts are real and deep where it works horizontally as much as vertically

So the rate 1.0725 is found deeply in the solar group geometrical structure... why?

Let's see more data

2nd- Apogee orbital radius
$$(406000 \text{ km})$$
 = 1.0725
Total Solar Eclipse radius (378500 km) = 1.0725

$$3rd-\frac{778.6mkm Juppiter Orbital Distance}{720.3 mkm Jupiter Mercury distance} = 1.0725$$
(0.7%)

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1 to this research					
4th-	$\frac{720.3 \text{ mkm Jupiter Mercury distance}}{670 \text{ mkm Jupiter Venus Distance}} = 1.0725$	(No Error)			
5th-	670 mkm Jupiter Venus Distance 629 mkm Jupiter Earth Distance	(0.6%)			
6th-	629 mkmJupiterEarthDistance 586.5 millionkm	586.5millionkm 550.7mkm(MarsJupiterDistance) = 1.0725			
7th-	<u>Jupiter Orbital Circumference (4894 mkm)</u> <u>Neptune Orbital Distance (4495.1 mkm)</u> = 1.	0725 (Error1.5 %)			
8th-	$\frac{\text{Saturn Orbital Distance (1433.5 mkm)}}{\text{Saturn Orbital Distance (1433.5 mkm)}} = 1.0725$	(Error 0.8%)			

II- Discussion

The previous Data is just examples for many others...

Sarurn Venus Distance (1325.3 mkm)

More data is found in "Solar Group Geometrical Structure" http://vixra.org/abs/1805.0081

The rate 1.0725 is found deeply in the solar group geometrical structure basics...

Why?Because this rate 1.0725 is found by relativistic effects...

The Main Idea:

- There's a physical point in the solar group moves with c velocity relative to another physical point in the solar group, we can't observe this high velocity but we can observe its relativistic effects
- The solar group is one system or one machine or one body that's why these relativistic effects can be seen in any points in the solar group..
- The solar planets distances can be contracted by lorentz length contraction phenomenon because the distance is energy (similar to light beam) and this energy transports from point to another through the solar group, so in some place the energy (distance) will be contracted by lorentz contraction effect and in some other points will not be contracted ...
- Where the high velocity which causes the length contraction phenomenon is one motion, so the rate is the same... that's why the rate is 1.0725...
- The high velocity in the solar group is fact 2 velocities.. the first one is 0.99c and its contraction rate is 7.1 and the second velocity is 0.9999c and its contraction rate is 71 but... the rate 1.0725 is found by support from a complex geometrical structure.... This value 1.0725 is caused by the same velocity 0.99c but with support of a geometrical structure to follow this equation (7.1/100)+(100/100) = 1.071 which is very near to 1.0725... I still search for the geometrical reason which created the previous equation...

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(4th Point) The Rate 365.25

I- Data

 $\frac{149.6 \text{mkmEarthOrbitalDistance}}{0.406 \text{mkmMoonorbitalradiusat appogee}} = \frac{5 \text{mkm(EarthfreeSpace)x } \pi}{43000 \text{km the moonfreeSpace}} = 365.25$

 $\frac{940 \text{ mkm Earth Orbital Circumference}}{2.58 \text{ mkm Earth Daily Motion}} = 365.25$

- Earth Free Space 5 mkm = Earth Perihlion Aphelion = 152.1 mkm 147.1 mkm = 5mkm
- The moon free Space 43000 km = Apogee point radius 406000 km Perigee point radius 363000 km

II- Discussion

The Previous Data tells us that, the rate 365.25 is found deeply in the relationship between Earth and moon geometrical Structure..

That means, the solar day (86400seconds) and Earth orbital period (365.25 days) are created based on complex geometrical interactions between the Earth and Moon, which tells us that, the moon orbital radiuses are geometrical planets in the solar day production process...

Please review
The moon orbital analysis
http://vixra.org/abs/1811.0422

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3-Methodology

I use the same method in all my researches, **The Planet Data Analysis...**

Let's explain the idea here again

In Pythagoras triangle we found that $a^2 + b^2 = c^2$, this rule we can conclude from the triangle data if its dimensions are 3, 4 and 5... so the data may show the geometrical rules....similar to that, I use the solar planets data analysis to conclude the main geometrical rules which explain the solar planets origin and motion...

Let's use this method to explain the moon orbital motion in following:

Preface:

Apogee Orbital Circumference
$$(r = 0.406 \text{ mkm}) = 2.58 \text{ mkm}$$
Moon Orbital Circumference $(r = 0.384 \text{ mkm}) = 2.41 \text{ mkm}$

Also

$$\frac{25.2 \text{ Mars axail tilt}}{23.4 \text{ Earth axail tilt}} = \frac{26.7 \text{ Satrun axail tilt}}{25.2 \text{ Mars axail tilt}} = \frac{28.3 \text{ Neptune axail tilt}}{26.7 \text{ Satrun axail tilt}} = 1.0725$$

Let's explain the previous Equation firstly

28.3 degrees (Neptune axial tilt) is the main value which is contracted by lorentz length contraction effect (by the 1.0725) to produce 26.7 deg (Saturn axial tilt) which also is contracted again to produce 25.2 deg. (Mars axial tilt) and then contracted again to produce 23.4 deg. (Earth axial tilt) so these 4 values are equal but the difference is found by relativistic effects

The Moon Orbital Motion:

- The moon moves 2.58 mkm daily = Earth motion daily (otherwise they will be separated from each other)
- If there's no relativistic effects in the solar system, the moon should be seen as a bright stationary point in the sky because Earth and Moon move by the same velocity.

But

- Because of the relativistic effects this value (2.58 mkm) will be contracted with the rate 1.0725 to produce the value 2.41 mkm (as in 1st Equation)
- So the moon daily motion =2.58 mkm but this value is seen =2.41mkm (because of lorentz length contraction phenomenon)
- The difference between both = 0.17 mkm which causes **The Moon Daily Displacement** (0.17 mkm = 2 x **88000 km**)
- Why the difference 0.17 mkm = $\underline{2}$ x moon daily displacement 88000km? may that occur because of the motions opposite directions.

This theory can answer easily why the moon orbital circumference at apogee radius (2.58mkm) = Earth daily motion.... because this circumference express the daily motion...

Please review ...

"The Moon Orbital Motion"

https://www.academia.edu/s/77becf288e/the-moon-orbital-motion

or

http://vixra.org/abs/1812.0200

or

https://www.slideshare.net/Gergesfrancis/the-moon-orbital-motion

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4-The Main Idea

This paper also adds more data to the previous one

Total Solar Eclipse Analysis (Part I)

http://vixra.org/abs/1903.0091

or

https://www.academia.edu/s/9ae5f4af5d/total-solar-eclipse-analysis-part-i

or

https://www.slideshare.net/Gergesfrancis/total-solar-eclipse-analysis

I try to provide the most extending data in series of papers where the discussion of all this data will be in a separated paper...

I have one important reason for that...

Because the data is so complex and I try to discuss the credibility of the data before to discuss the data themselves

I need the reader feedback to see if the data forms real geometrical puzzles or can be considered as real pure coincidences....

In Fact Mercury still has many data, but I can't provide here because the connection is weak and depend on feelings more than any real logic

What I want to say is

We have to get ride of the classical definitions which prevents our discussion and understanding...

For example... if we still believe in the gravitational effect on distances.... Most of the previous data should be considered as pure coincidences...now I provide the data to be a real challenge against the gravity concept...

At my side, I see this data is found by a geometrical reasons and I search for these reasons. The current theory and gravity concept will refuse my point of view and they consider there are no geometrical reasons behind this data...

But

Neither the gravity concept nor the current theory has explanation for the previous data Simply they don't know how this data is created.....

For example why Mercury diameter = 4978km?

The current theory can't answer this question and for that she can't tell us why we see the sun disc = the moon disc?

I would be happy if the data is completed by this paper... but it's not true.... There is more data which be provided later...!

We should see the truth in more clear light

We have to find the geometrical reasons and rules on which the matter is created... if we don't perfume this task the solar group geometry will never be understood...

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Gerges Francis Twadrous Curriculum Vitae

http://vixra.org/abs/1902.0044

or

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

Total Solar Eclipse Analysis (Part I)

http://vixra.org/abs/1903.0091

What's The Solar Planet Nature? http://vixra.org/abs/1903.0038

Planet Orbital Eccentricity Disproves the Solar Group Current Description http://vixra.org/abs/1902.0501

Why The Solar Planet Motion Trajectory is An Ellipse?(revised) http://vixra.org/abs/1902.0291

Solar Planet Data Geometrical Concepts disproves the Current Theory http://vixra.org/abs/1902.0230

The Relativistic Effects Reason http://vixra.org/abs/1902.0097

Life Is Found On Earth Only (Claim) http://vixra.org/abs/1901.0422

Is the 2737 Phenomenon a Real One? http://vixra.org/abs/1901.0381

Vacuum Energy Theory http://vixra.org/abs/1901.0163

The Moon Orbit Triangle http://vixra.org/abs/1901.0082

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