## Solar System Motion Analysis (II)

### Gerges Francis Twadrous

2$^{nd}$ Course Student – Physics Department - Physics & Math Faculty –
Peoples' Friendship University – Moscow – Russia -2010-2013
TEL +201022532292  mrwaheid@gmail.com  / georgytawdrous@yandex.ru
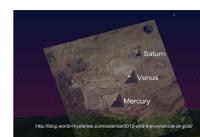
## Abstract

### Paper Hypotheses

# Mercury Motion causes to connect and bind all solar planets motions to produce one unified motion

| References | |
|---|---|
| Solar System Motion Analysis (I) | http://vixra.org/abs/1909.0150 |
| Why does Earth Moon Orbit regress? (Part II) | http://vixra.org/abs/1909.0107 |
| Why does Earth Moon Orbit regress? | http://vixra.org/abs/1909.0064 |
| Energy Transportation Through The Solar Group | http://vixra.org/abs/1908.0510 |
| Is the 2737 Phenomenon a real one? (II) | http://vixra.org/abs/1908.0583 |

| Gerges Francis Tawdrous | +201022532292 |
|---|---|
| Curriculum Vitae | http://vixra.org/abs/1902.0044 |
| E-mail | mrwaheid@gmail.com |
| Linkedln | https://eg.linkedin.com/in/gerges-francis-86a351a1 |
| Twitter | https://twitter.com/TawdrousF |
| Facebook | https://www.facebook.com/gergis.tawadrous |
| Academia | https://rudn.academia.edu/GergesTawadrous |
| All my papers | http://vixra.org/author/gerges_francis_tawdrous |

**The Assumption Of S. Virgin Mary.**
**Written in Cairo – Egypt**
**11$^{th}$ September 2019 (S. George)**

Gerges Francis Tawadrous/                            1
2$^{nd}$ Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com          +201022532292

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

## 1-Introduction

In the previous paper Solar System Motion Analysis (I)- I have claimed that – solar planets are carriages in the same train and they move together as one train – means Mars Motion –for example – is done with all other planets motions – so it's not useful to observe Mars Motion only because It doesn't independently from other planets motions..

In this paper (II) we discuss the question – Why planets motions should be considered one unified motion –as a train motion?

Based on which theoretical explanation this hypothesis is created?

To answer this question let's use one example for better vision

**Example No. 1**

Earth Daily Motion =2.58 mkm = Moon Daily Motion = Moon orbital circumference at apogee radius.          (Also Pluto Motion during his Day Period =2.58mkm)

I have provided this data before and asked why these values are equal??– but – a respectful reader sent to me explaining that- this data is meaningless because the moon doesn't move along his orbital circumference at apogee radius –but move along the distance from Perigee and apogee…

In all my papers I have dealt with one specific point…let's summarize it

In solar system geometry I deal with a geometrical building –so every data in this building has a geometrical role – I don't believe the direct observations as facts because we know that the eyes can deceive us –as in mirage case-

I have searched to find the theoretical building behind the direct observation- of course the moon doesn't move along his orbital circumference at apogee radius –that's true –according to the direct observation- but the value 2.58 mkm = Moon orbital Circumference at apogee radius which = Earth Motion Daily = Moon Motion Daily- this data tells the geometrical building is done based on Earth daily motion – now if we try to understand the planets data – we should consider that the moon orbit geometrical structure is built relative to Earth Daily Motion

I wish to explain my idea as possible

The naïve structure of knowledge which depends on some direct observation which have no clear explanations and left behind thousands of unanswered questions is already passed by time

No one – on Earth- will accept more such naïve explanations and short puzzled answers for thousands of questions which make the solar system understanding obscure and unacceptable

Clearly – we need the theoretical building behind – there's no more acceptance for the naïve descriptions…

Why Pluto Motion during his Day period = Earth Motion during her Day Period??

Who Will Claim That's Pure Coincidences? I wish our long discussions overstepped such naïve answers….!

Gerges Francis Tawadrous/                                    2
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     *mrwaheid@gmail.com*              +201022532292

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

**Example No.2**
Let's look at the moon orbit geometrical structure
**I-Data**
The Moon has 4 basic points which are

Perigee radius = 363000 km       total solar eclipse radius =377000km
Apogee radius =406000 km       moon orbital distance =384000 km

1- Earth Moon Distance at perigee point = Outer Planets Diameters Total   (1%)
2- Earth Moon Distance at apogee point = Solar Planets Diameters Total
3- Distance from Perigee to apogee   =inner planets diameters total =
   Distance from Perigee to apogee   = Earth Circumference

**II- Discussion**
This Data we have seen frequently – but no geometrical explanation is provided – we deal with this data as some hidden secret!
The moon orbit is a geometrical structure built by geometrical rules which is seen in the previous data – so it's not just "Earth Motion Daily = Moon orbital circumference at apogee radius" not this rule only! There are many other rules as we see in this data
It's no enough to tell that "these are found by pure coincidences" or "these values are meaningless!"
Simply we don't how this data is created and based on what geometrical rules – but the data tells us that – they are built on geometrical rules –
Now – I wish we see how far we are from the real explanation for the solar system geometry – simply we know very little about the solar system facts

The previous data provides some real miracle ….let's analyze it:
Why there's an error =1% in Equation no. 1
**Equation No.1**
Earth Moon Distance at perigee point     = Outer Planets Diameters Total
Earth Moon Distance at perigee point     =363000 km
Outer Planets Diameters Total     =366500 km
The difference causes the error 1%           **BUT**
The difference = 3500 = the moon diameter…! What does that mean?
Suppose the moon is found on Perigee Point – in this case the distance from Earth to the moon + the moon diameter = Outer Planets Diameters Total without error
Now
The distance from the moon to apogee will be =40000 km = inner planets diameters total = Earth Circumference…
So we have to cut the moon diameter from outer planets diameter total to reach to Perigee point and to cause consistency for apogee point!
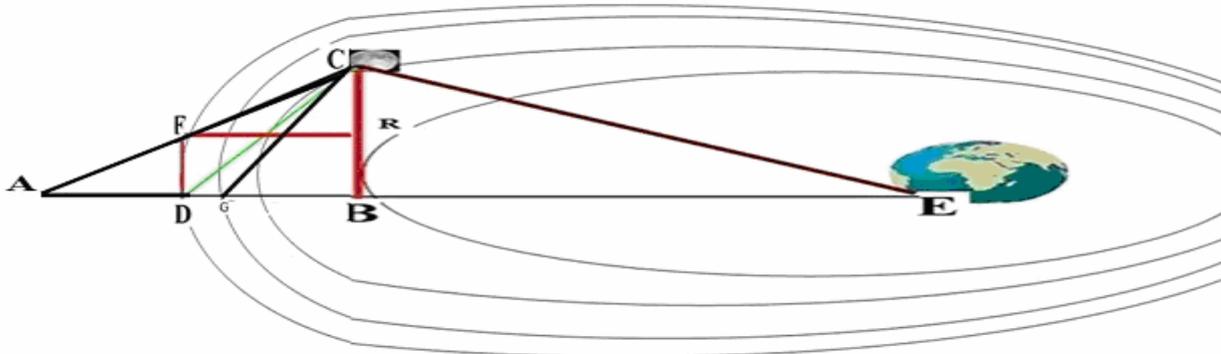Why?
Pluto Motion Daily = Earth Moon Distance at apogee point = Solar Planets Diameters Total=406000 km – Why?

Gerges Francis Tawadrous/              3
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*    mrwaheid@gmail.com        +201022532292

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

We know tenths of such questions – the naïve answer "pure coincidences" causes bad feeling of weakness and illogical development of knowledge…
The moon orbit analysis disproves clearly this naïve answer



## Moon Orbit Triangle Analysis

This figure tries to show many puzzled data as in following:

| | | | |
|---|---|---|---|
| CE | = Saturn Circumference | AC | = Saturn Diameter |
| AE | = Jupiter Circumference | EB | = 363000 km = Perigee Radius |
| ED | = 406000 km = Apogee Radius | CG | = 384000 km= Moon orbital distance |

Please remember
Solar Planets Diameters Total = 2 Jupiter Diameters +1 Saturn Diameter
For moon orbit detailed discussion please review

The Moon Orbit Analysis                      http://vixra.org/abs/1811.0422

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

Earth Moon Orbit Triangle Analysis (Revised)      http://vixra.org/abs/1907.0627

The moon orbit geometry was just an example – I have aimed to explain how we study the solar system geometry and why we do that – we don't deal with separated observational results – we deal with the theoretical geometrical structure behind – we don't believe the observational results unless we have supported data to them- and we don't create any theory on the supported data unless we see a clear geometrical reason behind –
Now we will return to this paper question

Why Solar Planets Move In One Unified Motion Only?  The answer will be in 2 points (3 and 4)

**Point no. 3 Mercury Motion proves "Solar System Moves One Unified Motion"**
**Point no. 4 Pluto Motion Concept**

## 2- Methodology
(Research Methodology is mentioned in "Solar System Motion Analysis (I)")

Gerges Francis Tawadrous/                      4
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*      mrwaheid@gmail.com            +201022532292

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

## 3-Mercury Motion proves "Solar System Moves One Unified Motion".

3-1 Preface
3-2 Data
3-3 Discussion

### 3-1 Preface

In this point I try to show that Mercury Data expresses one motion of soar system
But to do we need to analyze Mercury Data as deep as possible

Mercury has many remarkable features of data but the most specific one is his day
Mercury Day = 175.94 solar days
Specifically – Mercury Day needs 5040 seconds to be 176 solar days
Why this value (5040 seconds) is important at any case??
Because it's defined by 2 other values which are  Mercury Day Period and the Solar Day Period – i.e. we don't create the value 5040 seconds – it's found by geometrical rules based on which solar system is created

I wish I can succeed in my task – to show that – the theoretical geometrical structure behind the solar planets data is a great one and the observational results are just small points in this building – means – we can't depend on the observation to define how solar planets are created and moving – the geometrical structure is beyond the observation capacity as research method
We have to use the planets data analysis

Before to start let's remember some important data in following
   - Mercury Jupiter Distance =720.7 million km

   - Mercury Jupiter Distance 720.7 million km  = Jupiter Diameter x 5040

   - (1/7) x million km                                  = Jupiter Diameter
     (where 7 degrees = Mercury Orbital inclination and 1 degree =1 million km because Mercury Orbital Circumference =360 mkm =360 degrees )

   - Mercury Diameter 4879 km x 1 million km = 4879 mkm = Jupiter Orbital Circumference
More Data
   - Mercury during 5040 seconds moves a distance = 2 Saturn Diameter  (1%)
   - Mars during 5040 seconds moves a distance     =    Saturn Diameter
   - Saturn during 5040 seconds moves a distance   =    Neptune Diameter  (1.3%)
   - Pluto  during 5040 seconds moves a distance   =     Pluto Diameter x $\pi^2$

Let's start our argument in following…

Gerges Francis Tawadrous/                        5
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com              +201022532292

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

## 3-2 Data

## Group No. 1

i.  Mercury moves during his day period (175.94 solar days) a distance = 720.7 mkm = Mercury Jupiter Distance **(A)**

ii.  Mercury moves during 5040 seconds a distance = 2 Saturn diameters (1%)

iii.  Light with supposed Velocity during 5040 seconds passes a distance = **5846 mkm** **(B)**

(Note Please / Saturn Diameter x Neptune Diameter x 0.98 = **5846 mkm**)

iv.  **(A)** + **(B)** = **6574 mkm** (6574 mkm very near to 6585.32 mkm)

## Group No. 2

v.  6574 mkm = π x 2092 mkm (Jupiter Uranus Distance)

vi.  2092 mkm = 0.3 mkm (light know velocity) x 6939.75 seconds

vii.  627 mkm = 0.3 mkm (light know velocity) x 2092 seconds

viii.  (627 mkm = π x 200 but we know that 200 =101+99)

(Note Please/ 175.94 days / 5040 seconds = 3016)

(3016 = 25.2 x 119.7)

**Note Please**
17.4 degrees (inner planets orbital inclinations total) **x0.99** = 17.2 deg = Pluto orbital inclination
23.6 degrees (outer planets orbital inclinations total) **x0.99** = 23.45 deg = Earth axial tilt
(180 degrees/2π) **x0.99** = 28.3 degrees (Neptune axial tilt)
Also
Pluto orbital distance =101 Mercury Orbital Distance

Gerges Francis Tawadrous/                                    6
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*    mrwaheid@gmail.com              +201022532292

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

## 3-3 Discussion

Data **Group No. 1** tells a clear meaning…

Mercury motion is done in a company with light motion – that means – we deal with double motion

Light motion (1) + Planet motion (2)

(1)

Light with supposed Velocity during 5040 seconds passes a distance = **5846 mkm**

(5846 mkm = Mercury Pluto Distance)

(2)

Mercury moves during his day period (175.94 solar days) a distance = 720.7 mkm

When we add these 2 values together

The result will be = **6574 mkm** = $\pi$ x 2092 mkm (Jupiter Uranus Distance)

Both values together produces this distance which we know perfectly…

(6574 mkm very near to 6585.32 mkm where 6585.32 days = Saros Cycle)

What does that mean??

One energy is transported by 2 motions (light motion + planet motion)

So the energy (=2092 mkm) is transported from Mercury motion (with his companion

the light beam) which moves with 1.16 mkm per second

Now this energy is transported to the distance 2092 mkm

### Data Group No. 2 Discussion

The energy which is in distance form (Space = Energy "a hypothesis") will be transformed now into time form

Light with know velocity 0.3mkm/sec will pass this distance 2092 mkm during a period = 6939.75 seconds

So the energy is transformed from distance form into time form

Light needs 6939.75 seconds to pass the distance 2092 mkm (Jupiter Uranus Distance)

But the moon needs 6939.75 days to rotates Metonic Cycle

The energy of Mercury (and his companion light) motions energy will be transported to the moon motion in Metonic Cycle Motion form

This process must be passed by Uranus who has a great effect on it

Gerges Francis Tawadrous/                                     7
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com          +201022532292

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

## Comments

Mercury moves during his day a distance= 720.7 mkm Mercury Jupiter Distance

Mercury moves during 5040 seconds a distance= 2 Saturn Diameters

So

Mercury does motion has 2 effects at least

And by this effect mercury Causes to bind Jupiter Data with Saturn Data (as we will discuss deeply in the next point)

Now we know that

Solar Planets Diameters Total = 2 Jupiter Diameter + 1 Saturn Diameter

(the previous equation is just an example for many others we should discuss in the next point)

## That means

There's a connection between Jupiter data with Saturn Data which makes the solar system one machine where the Energy is transported from point to another through it

The previous discussion is one example only to prove how the solar system motion can be one unified motion

## Conclusion

Solar System moves one unified motion because the energy is transported from point top another through it – and with this energy transportation the motion is transported from planet to another as a motion of gears

## Please Note

(6574 mkm very near to 6585.32 mkm where 6585.32 days = Saros Cycle)

Time And Distance Equivalence (Proves)      http://vixra.org/abs/1904.0125

Also

6585.32 days (Saros Cycle) we have discussed deeply in the previous paper

**Where**

**Saros Cycle Period 6585.321 days**      = 241 x 27.32 days (Lunar Sidereal Month)

= 19 x 346.6 days  (Nodal Year)

= 223 x 29.53 days (Lunar Synodic Month)

**6585.39 degrees**                = 115 x (180/π)

= 232.7 degrees x 28.3 degrees =

=278.4 degrees x 23.6 degrees

115 deg      = Saros Shadow shift angle 232.7 deg    = inner planets axial tilts total

28.3 deg    =Neptune axial tilt        278.4 deg    = outer planets axial tilts total

23.6 deg    = outer planets orbital inclinations total

(Note the moon orbit regresses 19 degrees yearly and regresses the calendar 19 days means 1 day = 1 degrees) - For detailed discussion please review

Solar System Motion Analysis (I) http://vixra.org/abs/1909.0150

Gerges Francis Tawadrous/                  8
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
mrwaheid1@yahoo.com      mrwaheid@gmail.com          +201022532292

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

## 4- Pluto Motion Concept

### (I)

**Solar System Main Features**

- Solar system and planets are created based on energy of light motion for 1 second
- Energy of Light motion for 1 second causes planet to move for 1 solar day
- Energy of Planet motion for 1 solar day creates the solar planets and their distances
- i.e. We have a group of gears work here…. Light motion for 1 second whose energy creates planet motion for 1 solar day

How that can be possible…?

- Through the motions gears- for example planet motion uses energy of light motion for 1 second to produce planet motion for 1 minute – then another planet uses the energy of 1 minute to creates a planet motion for 1 hour- and third planet uses the energy of one hour motion to create a planet motion for one solar day….etc Now this group of gears are working continuously … we will see only planets move in their cycles  but these planets cycles create the solar day time parts

Far from this theory details … how to prove it?

(1)

- Pluto Motion for 1 solar day =406000 km = Solar Planets Diameters Total

(2)

- Light supposed velocity for 1 second =1.16 mkm and light know velocity for 1 second = 0.3mkm –total of bothe velocities = 1.46 mkm Per Second

But

- The value 1.46 mkm =π x0.4665 mkm (Neptune Daily Velocity)

i.e.

- **Light beam motion for 1 second (2 light velocities together) create Neptune Motion for 1 solar day**

**(2)**

Also Pluto motion for 1 solar is produced by light motion (1.16 mkm) for 1 second
If this idea is correct so

$$A = \frac{\text{Light Motion For 1 Second (velocity 1.16mkm/sec)}}{\text{Pluto Motion for 1 solar Day (velocity 0.406mkm/ day)}} = 2.85714$$

The Rate (A) should control **SOLAR PLANETS DATA**
As the next table (table no.1 ) proves that

Now we have 2 proves supports the idea that Planet Motion depends on light motion (Planet motion for 1 solar day is found based on light motion for 1 second)

**Conclusion**

It's truth that – the solar system is created based on energy of 1 second motion of light beam – from Energy Transportation Process Discussion (in previous paper) we concluded

Gerges Francis Tawadrous/                    9
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com          +201022532292

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

(1)

Energy is transported through the solar system which creates the planet matter and orbital distance

(2)

This energy is energy of light supposed velocity 1.16 mkm/sec travels for 1 second

(3)

Planet motion for 1 day depends on light motion for 1 second

**(II)**

Now

We have discovered 2 basic concepts in solar system geometry – which are

**(1) Solar Planets Data Is Controlled By One Equation (F(z) =2x +1 y)**

**(2) Light (1.16mkm/sec) motion for 1 second causes planet to move for 1 solar day**

These are the 2 concepts which we have discovered in the solar system and we wish that these 2 concepts have no contradiction between each other

How these 2 concepts can be unified into one concept only?

1.16 mkm             = light motion for 1 second
0.406 mkm            = Pluto Motion for 1 solar Day

$$F(z) = 2x + 1y$$

Solar Planets Data Equation

$$1.16 \text{ mkm } = 0.406 \text{ mkm} + 2 \text{ x } (0.377 \text{ mkm})$$

Where

**0.406 mkm = Pluto Motion Daily (which we know perfectly)**

**0.377 mkm = Saturn Circumference**

Where

**(A)**

2 Jupiter Diameters +1 Saturn Diameter  = solar planets diameters total

**(B)**

2 Jupiter Circumferences - 2 Saturn Circumferences  = 1 Jupiter Diameter (error 1.3%)

**(C)**

(Jupiter  Diameter)$^2$ + (Saturn Diameter)$^2$         = (0.5 Saturn Circumference)$^2$ (1.2%)

**(D)**

**Saturn Diameter – Jupiter Radius = Neptune Diameter x 0.99          (No Error)**

This data we have discussed frequently -  Basically – we know that the solar planets diameters are created depending on Jupiter & Saturn relationship – for that reason – light velocity equation **1.16 mkm  = 0.406 mkm + 2 x (0.377 mkm) tells us that it's a basic equation in solar system geometry – and tells both concepts are unified.**

**Discussion**

The previous data tells that –

(1)

Light and Pluto relationship in fact creates the equation F(z) = 2x +1 y

Gerges Francis Tawadrous/                              10
2$^{nd}$ Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com               +201022532292

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

(2)

The equation F(z) = 2x +1 y controls solar planets data

As we have discussed

$$A = \frac{\text{Light Motion For 1 Second (velocity 1.16 mkm/sec)}}{\text{Pluto Motion for 1 solar Day (velocity 0.406 mkm/ day)}} = 2.85714$$

The rate (A) controls solar planets basic data – the following table supports that

| Table No.1 | The Rate = A = 2.857= (1.16/0.406) | | |
|---|---|---|---|
| **The Rate between 2 Values** | | = A | Error |
| ((1.16 mkm/sec) – (0.3mkm/sec))/ (0.3mkm/sec)= | | = A | |
| Solar Planets Masses Total / 0.5 Jupiter Mass= | | = A | 1% |
| Planets Diameters Total 366550 km/ Jupiter Diameter 142984 km= | | = A | |
| Jupiter Diameter 142984 km / Neptune Diameter 49528 km = | | = A | |
| Mars Diameter 6792 km / Pluto Diameter 2390 km= | | = A | |
| 25920 mkm /9010 mkm (Saturn orbital circumference)= | | = A | |
| 655 mkm (Jupiter Saturn distance) /227.9mkm (Mars orbital distance) = | | = A | |
| 5906 mkm (Pluto Orbital distance) /2088 mkm (Jupiter Uranus Distance)= | | = A | 1% |
| Saturn diameter 120536 km/43000 km (moon motion freedom) | | = A | |
| Outer Planets Axial Tilts Total 278.4 deg / Uranus axial tilt 97.8 deg | | = A | |
| 41 deg (planets orbi. inclinations total) x 2/ Neptune axial tilt 28.3 deg | | = A | 1.4% |
| 511.1 deg (planets axial tilts total) / 180 deg | | =A | 0.6% |
| Neptune axial tilt vertically 118.3 degrees /41deg (planets orbi. inclinations total)= | | = A | 1% |
| Neptune Axial Tilt 28.3 degrees /$\pi^2$ | | = A | |
| Earth Moon Orbi. Inclination 5.1 deg/1.8 deg Neptune orbi. Inclination | | = A | 0.7% |
| (7 deg= Mercury orbi. Inclination)$^2$/ (17.2deg Pluto orbi. Inclination) | | = A | |
| 177.4 deg (Venus Axial Tilt) /$2\pi^3$= | | = A | |

This table was discussed in my previous paper

Matter Creation Principle (Part V) http://vixra.org/abs/1908.0367

Gerges Francis Tawadrous/                         11
2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..
*mrwaheid1@yahoo.com*     mrwaheid@gmail.com         +201022532292