# Solar System Energy Trajectory Gerges Francis Twadrous <br> $2^{\text {nd }}$ Course Student - Physics Department - Physics \& Math Faculty - <br> Peoples' Friendship University - Moscow - Russia -2010-2013 

TEL + 201022532292 mrwaheid@ gmail.com / georgytawdrous@ yandex.ru
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## Abstract

Solar Group Creation And Motion<br>(A description which this paper tries to prove)

1- The Solar System Is created of one energy only - this one energy travels through the solar group from point to another point - creating the planet matter (because $\mathrm{E}=\mathrm{mc}^{2}$ ) and planet orbital distance (because Space $=$ Energy- My Hypothesis).
2- The Solar System Main Energy starts from Jupiter and travels to Pluto (from this energy Neptune orbital circumference is created consuming $16 \%$ of the total energy)
3- Neptune reflects the rest of energy toward the inner planets into 2 equal trajectories of energy
4- The Energy is sent from Neptune (and Pluto) to Mercury
5- Energy is sent from Mercury to Saturn
6- Pluto Motion specifically for 1 solar day depends on light motion for 1 second (where this moving light velocity $=1.16 \mathrm{mkm} / \mathrm{sec}-$ my hypothesis) - that means - 1 second of light motion causes Pluto to move 1 solar day
7- Solar group is created based on Pluto motion for 1 solar day (solar planets diameters total $=406000 \mathrm{~km}=$ Pluto motion for 1 solar day)

8- Planets motions energies accumulations with 2 other factor effects - lead to produce the sun light beams... these 2 factors are
a. The sun rate of time is different from Earth one
b. Jupiter Energy Interaction with the planets velocities total

9- i.e. Planets Motions energies total produce the sun rays based on changing the sun rate of time and the interaction with Jupiter energy

10- The produce light beam will be $0.3 \mathrm{mkm} / \mathrm{sec}$ ond but the original one is 1.16 $\mathrm{mkm} / \mathrm{sec}$ - for that - the value 0.3 will multiply with $4 \ldots . .(0.3 \times 4=1.2$ $\mathrm{mkm} / \mathrm{sec}$ from this value the original light beam $1.16 \mathrm{mkm} / \mathrm{sec}$ is produced) (Why it multiplies with 4 - because earth has a cycle of 4 years -1461 days)
11- The final product will be $1.16 \mathrm{mkm} / \mathrm{sec}$ moves for 1 second only to repeat the cycle for tomorrow...
Gerges Francis Tawdrous +201022532292
Curriculum Vitae http://vixra.org/abs/1902.0044
Academia https://rudn.academia.edu/GergesTawadrous
All my papers http://vixra.org/author/gerges_francis_tawdrous
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 1- Introduction

In this paper we discuss the solar system energy trajectory details
This discussion is important because we have discussed already many hypotheses -in previous papers- and we need to understand how these hypotheses work together in harmony and without serious contradictions....
Let's use an example for better explanation

## Example No. 1

- I have supposed that the solar system main energy is sent from Jupiter to Neptune and reflected to the inner planets into 2 Trajectories of Energy ... Mercury ( $1^{\text {st }}$ Trajectory) and Earth with Venus (2 ${ }^{\text {nd }}$ Trajectory)
And
- I have supposed that Pluto motion for one solar day depends on energy of light motion for 1 second (light velocity $=1.16 \mathrm{mkm} / \mathrm{sec}-$ hypothesis)
And
- Based on Pluto motion for 1 solar day - all solar planets and their data are created - I have proved that by the fact - Pluto Motion Daily $=406000 \mathrm{~km}$ =Solar Planets Diameters Total
Based on that
- The Inner Planets Energy Source became obscure! Is This Energy Source Neptune or Pluto??
Also we know this equation
- 86400 mkm (Solar Group Main Energy) $=(71)^{2} \times 17.2 \mathrm{mkm}-$ and I have supposed that the factor 71 is created based on velocity 0.9999 c is found in the solar group- that means the distance 86400 mkm (which equals the solar system main energy) is contracted for double times $(71)^{2}$ and produce the distance 17.2 mkm , where we know $1 \mathrm{mkm}=1$ degree - so the result will be 17.2 degrees (=Pluto Orbital Inclination)- now I claimed that the energy 86400 mkm is concentrated in 17.2 mkm (or 17.2 degrees= Pluto Orbital Inclination)can that be true?! Because Distance = Energy (My Hypothesis) and the value 86400 mkm has to be transported to Mercury with full value 86400 mkm - and not 17.2 mkm - means if the contraction is done at Pluto position the energy can't be transported to Mercury! So this equation $86400=(71)^{2} \times 17.2 \mathrm{mkm}$ can't be done with Pluto it must be happened with Mercury - Where the value 17.2 mkm (=17.2 degrees is Pluto Data!) how can we understand that?

Also

- Based on Pluto motion for 1 day the solar group is created? Why Pluto? Why Not any Other Planet Motion??....Also
- I have supposed that -the coherence is done inside the sun - based on Mercurybut -as the abstract tells us - the energy after Mercury moved to Saturn! How that can be understandable?? Many other details should be discussed in this paper - (Note Point no. 3 in This Papers Series is repeated because Jupiter Energy is the starting point in all energy discussions) - Let's Start Immediately


## 2- Methodology Planetary Fact Sheet - Metric

|  | MERCURY | VENUS | EARTH | MOON | MARS | JUPITER | SATURN | URANUS | NEPTUNE | PLUTO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underline{\text { Mass ( } \mathbf{1 0}^{\mathbf{2 4}} \mathbf{\mathrm { kg }} \text { ) }}$ | 0.330 | 4.87 | 5.97 | 0.073 | 0.642 | 1898 | 568 | 86.8 | 102 | 0.0146 |
| Diameter (km) | 4879 | 12,104 | 12,756 | 3475 | 6792 | 142,984 | 120,536 | 51,118 | 49,528 | 2370 |
| Density (kg/m ${ }^{3}$ ) | 5427 | 5243 | 5514 | 3340 | 3933 | 1326 | 687 | 1271 | 1638 | 2095 |
| Gravity ( $\mathrm{m} / \mathbf{s}^{2}$ ) | 3.7 | 8.9 | 9.8 | 1.6 | 3.7 | 23.1 | 9.0 | 8.7 | 11.0 | 0.7 |
| Escape Velocity (km/s) | 4.3 | 10.4 | 11.2 | 2.4 | 5.0 | 59.5 | 35.5 | 21.3 | 23.5 | 1.3 |
| Rotation Period (hours) | 1407.6 | -5832.5 | 23.9 | 655.7 | 24.6 | 9.9 | 10.7 | -17.2 | 16.1 | -153.3 |
| Length of Day (hours) | 4222.6 | 2802.0 | 24.0 | 708.7 | 24.7 | 9.9 | 10.7 | 17.2 | 16.1 | 153.3 |
| Distance from Sun ( $10^{6} \mathbf{~ k m}$ ) | 57.9 | 108.2 | 149.6 | 0.384* | 227.9 | 778.6 | 1433.5 | 2872.5 | 4495.1 | 5906.4 |
| Perihelion ( $10^{6} \mathbf{~ k m}$ ) | 46.0 | 107.5 | 147.1 | 0.363* | 206.6 | 740.5 | 1352.6 | 2741.3 | 4444.5 | 4436.8 |
| Aphelion ( $10^{6} \mathbf{~ k m}$ ) | 69.8 | 108.9 | 152.1 | 0.406* | 249.2 | 816.6 | 1514.5 | 3003.6 | 4545.7 | 7375.9 |
| Orbital Period (days) | 88.0 | 224.7 | 365.2 | 27.3 | 687.0 | 4331 | 10,747 | 30,589 | 59,800 | 90,560 |
| Orbital Velocity (km/s) | 47.4 | 35.0 | 29.8 | 1.0 | 24.1 | 13.1 | 9.7 | 6.8 | 5.4 | 4.7 |
| Orbital Inclination (degrees) | 7.0 | 3.4 | 0.0 | 5.1 | 1.9 | 1.3 | 2.5 | 0.8 | 1.8 | 17.2 |
| Orbital Eccentricity | 0.205 | 0.007 | 0.017 | 0.055 | 0.094 | 0.049 | 0.057 | 0.046 | 0.011 | 0.244 |
| Obliquity to Orbit (degrees) | 0.034 | 177.4 | 23.4 | 6.7 | 25.2 | 3.1 | 26.7 | 97.8 | 28.3 | 122.5 |
| Mean Temperature (C) | 167 | 464 | 15 | -20 | -65 | -110 | -140 | -195 | -200 | -225 |
| Surface Pressure (bars) | 0 | 92 | 1 | 0 | 0.01 | Unknown* | Unknown* | Unknown* | Unknown* | 0.00001 |
| Number of Moons | 0 | 0 | 1 | 0 | 2 | 79 | 62 | 27 | 14 | 5 |
| Ring System? | No | No | No | No | No | Yes | Yes | Yes | Yes | No |
| Global Magnetic Field? | Yes | No | Yes | No | No | Yes | Yes | Yes | Yes | Unknown |
|  | MERCURY | VENUS | EARTH | MOON | MARS | JUPITER | SATURN | URANUS | NEPTUNE | PLUTO |

The previous table is Nasa Planetary Fact Sheet - Metric - it's the only source I use for Solar Planets Data (https://nssdc.gsfc.nasa.gov/planetary/factsheet/)

1. I analyze Solar Planets Data to reach the geometrical rules on which this data is created - for example - If we have a right triangle its dimensions 3,4 and 5 , can we use these dimensions to conclude the Pythagoras rule? Yes we can - similar to that I analyze the planets data to reach their geometrical rules

## 2. I depend on Data Direction

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

This equation is hard to explain - but what's the basic idea here? There's a dependency between these 4 planets axial tilts... this conclusion is the Data Direction
3. I suppose there's one Equation only controls all solar planets data - that means the previous table is controlled by one Equation only...(my Basic Hypothesis)

To explain this hypothesis I provide the following solar system alternative description - which is a part of my methodology...

## Solar System alternative Description

## 1- The solar group is one trajectory of Energy and each planet is a point on this same trajectory

i.e.

2- The Solar Group is One Building and each planet is a part of this same building-
3- Also the solar group is similar to a train and each planet is a carriage of it.
4- Also the solar group can be similar to one body, and each planet is a member in it
5- Also the solar group can be similar to one machine and each planet is a gear in it

## means

6- When a planet moves -it doesn't mean this planet moves individually and independently from the other planets- NOT TRUE - The Planet moves with all other planets together as a train moves with all carriages -

## Description Basic Concept <br> Planets Cooperation And Integration Is The Reason Of Their Existence And Motions.

## How to understand that?

WE know that the matter is created of Energy $\left(\mathrm{E}=\mathrm{mc}^{2}\right)$ - but How The Space Is Created? I suppose the Space is created of Energy also... $($ Space $=$ Energy $)$
So the matter and space both are created from the same energy.. Based on that the solar group can be one trajectory of Energy
Can that be possible?
Energy has different forms (sun rays - nuclear interactions - oil- food ..etc)
Different forms for same content, i.e. it's possible to create matter \& space of energy

## Another Example

In double slit experiment (Young Experiment) - the light coherence produced bright and dark fringes -regardless the experiment explanation - the experiment tells "when one input is used (light)- the outputs can be in 2 different forms (bright and dark fringes)"

## The Solar Group Creation

I suppose the solar group is one energy creates the planet matter and orbital distance - so this same energy passes through the whole group to create all solar planets and their orbital distances from the same energy where this energy creates all planets data complementary to each other because all of them are created from the same source.

## Shortly

The solar group is one thread - as one necklace - all solar planets and their distances are created from one energy to be complementary to each other- and that's why the planets data analysis shows the solar planets dependency.

## Solar System Energy Transportation

## 3- Solar Group General Energy (Revision)

## Data

## (Equation No. A)

(Pluto Orbital Circumference- Jupiter Orbital Circumference) $x \boldsymbol{x} \boldsymbol{= 1 0 0 2 2 4} \mathbf{m k m}$ 2x100224 mkm =

28255 mkm (Neptune Orbital Circumference) + $2 \times 86400$ mkm

## But

100224 million $\mathrm{km}=($ Pluto Orbital Circumference - Jupiter Orbital Circumference) $\mathbf{x} \boldsymbol{\pi}$ (I) (Error less 1\%)
(Neptune orbital Circumference - Earth orbital Circumference) x $\pi=\underline{\mathbf{8 6 4 0 0} \mathbf{~ m k m}}$
(Venus Orbital Circumference follow simply equation II where the error less $1 \%$ )

## Discussion

We have discussed this data before - the basic concept in our discussion is - Space Is Energy - means Distance = Energy - i.e. Distance Between Pluto \& Jupiter Is Energy... This concept is so useful because the distances equality is our guide to know if the energy is transported from any point to another...(Why the Equations use $\pi$ ? I still search behind this question)

## Why The Previous Data Provide A Proof?

Because (1) The Planets Real Distances Are Sufficient For The Description
(2) The Energy motion uses the same equation form (Equations I and II)

## The Whole Story

- The energy is sent from Jupiter toward Pluto (NOTE The Energy Direction)
- The sent energy was in light beams form - but this light beam velocity $=1.16$ $\mathrm{mkm} / \mathrm{sec}$ - and Jupiter sends this energy toward Pluto during 2 complete solar days ( 2 x 86400 seconds) - so this light beam will pass during 2 solar days a distance $=1.16 \mathrm{mkm} \times 86400 \mathrm{sec} \times 2=100224 \mathbf{m k m} \times 2$
- The value $\mathbf{1 0 0 2 2 4} \mathbf{~ m k m ~ x ~} \mathbf{2}$ is the solar group main energy (Distance = Energy) Then
- Neptune used $16 \%$ from this energy to create its orbital circumference

Then

- Neptune reflected the rest of energy into 2 equal different trajectories of energy - each trajectory contains energy equal 86400 mkm
- $1^{\text {st }}$ Trajectory is sent to Mercury alone ( $\mathbf{8 6 4 0 0} \mathbf{~ m k m}$ )
- $2^{\text {nd }}$ Trajectory is sent to Earth \& Venus ( 86400 mkm )

Now - based on the previous story - what conclusion we may reach?
If (1) Distance = Energy (2) Jupiter sent the main energy
(3) Neptune reflected this main energy

So - Jupiter \& Neptune Orbital distances (or circumferences) control the inner planets orbital and internal distances... can that be true?! Let's try to answer..
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## Jupiter and Neptune orbital distances control the inner planets distances

## I-Data

## Group (I)

Neptune Orbital Distance $4495.1 \mathrm{mkm}=$
= Earth Venus distance $41.4 \times$ Venus orbital distance 108.2
= Mercury Orbital Distance 57.9 x Earth Mars distance 78.3
= Mercury venues distance $\mathbf{5 0 . 3} \mathbf{x}$ Mercury Earth distance 91.7 (error 2.5\%)
Why the inner planets orbital and internal distances multiplications produce Neptune Orbital Distance - Because the distance is Energy - and Neptune is the inner planets direct source of Energy because he reflected the Energy toward them.
I wish we have more confidence in our argument...

## Group (II)

## Jupiter Orbital Circumference

## (Part 1)

360 mkm (Mercury Orbital Circumference) +680 mkm (Venus Orbital Circumference) +940 mkm (Earth Orbital Circumference) +1433.5 mkm (Mars Orbital Circumference)
+1433.5 mkm (Mars Orbital Circumference) $=4900 \mathrm{mkm}$ (Jupiter Orbital Circumference) (error 1\%) (Note - We Use Mars Orbital Circumference 2 Times)
(Part 2)

## Jupiter Orbital Distance

- Mercury Orbital Distance x $2=$ Mercury Jupiter Distance
- Venus Orbital Distance =Venus Jupiter Distance
- Earth Orbital Distance =Earth Jupiter Distance (Error 1.3\%)


## (Note

1- (Earth and Jupiter are at 2 sides from the sun i.e. $940 \mathrm{mkm}=778.6 \mathrm{mkm}+149.6 \mathrm{mkm}$ )
2- (Data Part 2 tells that the inner 3 planets define their orbital circumferences relative to their distances to Jupiter - which supports our claim)
3- Mercury moves during his day period (= 2 orbital period) a distance $=$ Mercury Jupiter Distance
(Part 3)

$$
\text { 1. } \frac{778.6 \mathrm{mkm} \text { Juppiter Orbital Distance }}{720.3 \mathrm{mkm} \text { Jupiter Mercury distance }}=1.0725
$$

2. $\quad 720.3 \mathrm{mkm}$ Jupiter Mercury distance $=1.0725$
(No Error)

$$
\frac{670 \mathrm{mkm} \text { Jupiter Venus Distance }}{629 \mathrm{mkm} \text { Jupiter Earth Distance }}=1.0725
$$

## Conclusion

Inner planets orbital and internal distances are created relative to Jupiter and Neptune orbital circumferences... which supports our argument.. Please review

Why Jupiter Diameter = 142984 km? (1) http://vixra.org/abs/1907.0137

## 4- Pluto Energy

## I-Data

1- Velocity 0.9999 c produces lorentz length contraction rate $=71$ and $(71)^{2}=5041$
2- Pluto Daily Velocity $=406000 \mathrm{~km}=$ Solar Planets Diameters Total
3-86400 mkm (Solar System Main Energy) = $5040 \times 17.2$
$4-(1.16 \mathrm{mkm} / \mathrm{sec}-\mathrm{c}) / \mathrm{c}=\mathrm{A}$ where $\mathrm{c}=$ light velocity and $\mathrm{A}=(1.16 \mathrm{mkm} / 0.406 \mathrm{mkm})$ Remember please
a- A x $\pi^{2} \quad=28.22$
b- $\mathrm{A}(23.4)^{2}=778.6 \times 2$
c- A x $97.8=279.4$
$\mathrm{d}-\mathrm{A} \times 41 \quad=118.3 \times 0.99$
e- A x $115.2=329.14$

## II- Discussion

## 4-1 Why Pluto Motion Energy Creates The Solar Planets Diameters And Data?

We have a wide job here to discuss so many details of the main energy trajectory points...let's try to do our best here...

Basic Data in the previous equations is Equation No. 3

## 3-86400 mkm (Solar System Main Energy) = $5040 \mathbf{x 1 7 . 2} \mathbf{~ m k m}$ (or 17.2 degrees)

Let's summarize the idea here to see much better.....What we know?
Pluto Motion for 1 solar day $=406000 \mathrm{~km}=$ Solar Planets Diameters Total Why??
Because of the factor 5040 which may be equal (71) ${ }^{2}$
The matter -almost - is created as contraction of distance ....means the factor (71) ${ }^{2}$ is the responsible one for the matter creation.... This factor (71) ${ }^{2}$ is NOT Equal 5040 It's equal 5041
But we know that Mercury needs 5040 seconds to make his day $=176$ solar days So we can conclude that 5041 is a number in seconds value means $=5041$ seconds 1 second is required for the light motion based on which Pluto Motion for 1 day is created - the rest of period 5040 seconds is used by Mercury data... What does that mean?
$5041=(71)^{2}$ this is the main number.... 5041 from this number 1 is used as 1 second for light motion $(1.16 \mathrm{mkm} / \mathrm{sec})$ and the rest 5040 is used as 5040 seconds are required for Mercury day to be 176 solar days.... Where the total number (71) $)^{2}$ is the main player which transfer the distance into Matter...

Let's try to support this idea
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292
720.7 mkm (Mercury Jupiter distance) $=(71)^{2} \times 142984 \mathrm{~km}$ (Jupiter Diameter) 1205 mkm (Mars Saturn distance) $=(71)^{2} \times 2 \times 120536 \mathrm{~km}$ (Saturn Diameter)
2.58 mkm (Earth Daily Motion)

120536 km (Saturn Diameter)
$=(7.1)^{2} \times 51118 \mathrm{~km}$ (Uranus Diameter)
$=(7.1)^{2} \times 2390 \mathrm{~km}$ (Pluto Diameter)

Any way .. the idea is not very clear ... for 2 reasons
(1) There distances are produced based on the factor $(71)^{2}$ - for example Jupiter Uranus distance $2088 \mathrm{mkm}=(71)^{2} \times 0.406 \mathrm{mkm}$ (Pluto daily motion distance $=0.406 \mathrm{mkm}=$ Earth Moon distance at apogees radius)- But Because $406000 \mathrm{Km}=$ All Solar Planets Diameters Total - may this equation concerns the planets diameters total by number 406000 km and doesn't concern any distance...
(2) The matter creation based on the double length contraction is not known or understandable concept - if the double contraction can create the matter from distance why should use the rate 71 ?? For example the velocity 0.99 c produces length contraction rate $=7.1$ and the double will be $(7.1)^{2}$ - Now Earth daily motion distance $=2.58 \mathrm{mkm}=(7.1)^{2} \times$ Uranus Diameter .....that may support the same idea - that the matter creation can be done by double contraction of distances but we don't understand yet what rate can do that? and what difference between these rates?... any way we have many equations support this data direction which makes the idea is strong somehow but without theoretical explanation this idea still needs more analysis
Let's summarize the idea in following:
$(71)^{2}=5041$ based on this rate (or based on double length contraction process) the distance energy can produce the matter ....
This value 5041 in seen by us as seconds -1 second is required for the light beam motion (light supposed velocity 1.16 mkm ) - (As we suppose that - Light motion for 1 second causes Pluto to move for 1 solar day) -
The rest 5040 seconds are required for Mercury to make his day $=176$ solar days and Mercury lost this period ( 5040 seconds) because he wanted to enable Pluto to travel as far as possible based on the same light velocity ( 5040 seconds x $1.16=5870$ mkm approximately $=$ Pluto orbital Distance)- that means - the light moves 1 second only - but Mercury provides Pluto with 5040 seconds which defines Pluto Orbital Distance...together $5040+1=5041=(71)^{2}$ based on which the matter is created that's why Pluto motion for 1 day creates the solar group - because based on Pluto the double length contraction is done....
(Please note -(1) many details we have ignored to avoid the serious complexity -for example $1.16 \times 5040=5846.4 \mathrm{mkm}$ but Pluto orbital distance $=5870 \mathrm{mkm}-$ the difference isn't an error because outer planets orbital inclinations total $=23.6$ degrees $=23.6 \mathrm{mkm}$ - means $5846.4+23.6=5870 \mathrm{mkm}$ - so the difference is found for geometrical reason....(2) Saturn diameter is a distance as we'll see later
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 5- Mercury Energy Is Sent To Saturn

5-1 Main Idea
5-2 Data
5-3 Discussion

## 5-1 Main Idea

Mercury received the Energy 86400 mkm - and Mercury will sent this energy toward Saturn....
Let's summarize the story in following...
Mercury received Energy $=86400 \mathrm{mkm}$ - and this energy is contracted by 5040 as we have discussed in Pluto
$86400 \mathrm{mkm}=5040 \times 17.2 \mathrm{mkm}$ (17.2 degrees = Pluto Orbital Inclination)
The result 17.2 will create Pluto orbital inclination...
That means.... Pluto Orbital inclination 17.2 degrees is found as a result of Mercury effect on Pluto orbital circumference...
(1)
17.2 degrees $($ Pluto orbital Inclination) $=0.99 \times 17.4$ degrees (Inner Planet Orbital Inclinations Total)
(2)
17.4 degrees (Inner Planet Orbital Inclinations Total) $=7$ degrees (Mercury orbital Inclination) x 2.5 degrees (Saturn Orbital Inclination)
the previous 2 equations tell us that -
(A)

Pluto orbital inclination depends on cooperation between Mercury and Saturn orbital inclinations...
(B)

Equation No. 1 tells that - the inner planets orbital inclinations total depends on Pluto Orbital Inclination- and that provides more support because we have seen that solar planets diameters total depend on Pluto Motion for 1 solar day -here we see that the inner planets orbital inclinations depend on Pluto orbital inclination- which means - the diameters dependency was not a pure coincidences bit it's a data direction
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 5-2 Data

(1)
346.6 days (nodal year) x 4.095 mkm (Mercury daily velocity) $=1433.5 \mathrm{mkm}(1 \%)$ 1433.5 days
x 4.095 mkm (Mercury daily velocity) $=5870 \mathrm{mkm}$
Where
5870 mkm = Pluto Orbital Distance
1433.5 mkm= Saturn Orbital Distance
(2)

During 5040 seconds

- Mercury Moves A Distance =2 x Saturn Diameters
- Mars Moves A Distance = Saturn Diameters
(3)
$(2$ Saturn diameters/ Pluto diameter $)=($ Pluto orb. distance/ Mercury orb. distance $)$
(4)

2 Saturn Circumferences x Pluto Circumference $=$ Earth Pluto Distance $(0.6 \%)$
(5)

4 Saturn diameters $x$ Venus diameter $=$ Pluto Orbital Distance $(0.6 \%)$
(6)

| Pluto Saturn Distance | $=$ Mercury Neptune Distance |
| :--- | :--- |
| Pluto Neptune Distance | $=$ Merced Saturn Distance |

(7)

406000 km (Pluto daily motion) $=1.0725 \times$ Saturn Circumferences
(8)

120536 km (Saturn Diameter) x (7.1) ${ }^{2} \times 2390 \mathrm{~km}$ (Pluto Diameter)
(9)

Mercury Circumference x Pluto Circumference $=$ Mercury orbital distance
(10)

Mercury Circumference x Pluto Circumference $=$ Mercury orbital distance
(11)
(Mars diameter/ Pluto diameter) $=$ (planets diameters total/ Jupiter diameter) $=$ (Planets Masses Total / Jupiter Mass)
(12)
$406000 \mathrm{~km}=$ planets diameters total $=$ Pluto motion distance daily $=$ Pluto diameter x 153
Where Pluto day $=153.3$ hours

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

## 5-3 Discussion

It's hard to discuss the previous data - where they are so much - but the data tells us easily that -

## THE ENERGY IS SENT FROM MERCURY TO SATURN

The sending process includes some clear effect from Pluto or on Pluto....
Any way the relationships tell clearly that - there's some close relationship between Mercury -Saturn and Pluto.... There's a specific relationship here

This relationship creates the distances equality...
Equation no. 6
Pluto Saturn Distance = Mercury Neptune Distance
Pluto Neptune Distance = Merced Saturn Distance
This equality is found based on geometrical mechanism which is a part of the energy transportation process....

More analysis to see how these distances can be equal but - the available conclusion is that

## Conclusion

## The Energy is sent from Mercury to Saturn

## 6- Saturn Energy

## 6-1 Data

6-2 Discussion
6-1 Data
Group No. 1

- Mercury Neptune Distance
= Saturn Pluto Distance
- Mercury Saturn Distance = Neptune Pluto Distance
- Saturn Orbital Distance $=$ Saturn Uranus Dis. $=$ Mercury Orb. Circum.


## More Data

- Mercury Jupiter Distance
- Earth Neptune Distance
- Jupiter Uranus Distance
- Jupiter Pluto Distance
- Uranus Pluto Distance
- Neptune Orb. Distance
- Pluto Orbital Distance


## Why These Distances Are Equal?

Group No. 2

- Saturn Diameter
= Venus Diameter $\mathrm{x} \pi^{2}$
- $\left(\right.$ Venus Circumference) ${ }^{2}$
$=$ Saturn orbital distance ( $1 \%$ )
- (Saturn Mass/ Venus Mass)
$=116.75$ (Where 116.7 days $=$ Venus Day $)$
Group No. 3

| Table No. 1 The Table uses 1433.5 mkm (Saturn orb. Distance) As 1433.5 Days | error |
| :---: | :---: |
| -1433.5 days x Mercury velocity daily $4.095 \mathrm{mkm}=5870 \mathrm{mkm}$ Pluto Orbital Distance | 0 |
| -1433.5 days $x$ Venus velocity daily $3.02 \mathrm{mkm}=4329 \mathrm{mkm}$ Venus Neptune Distance | 0 |
| -1433.5 days x Earth velocity daily $2.58 \mathrm{mkm}=3699 \mathrm{mkm}$ Jupiter Neptune Distance | 0 |
| -1433.5 days x Mars velocity daily $2.082 \mathrm{mkm}=2984.5 \mathrm{mkm}$ Uranus Pluto Distance | 0 |
| -1433.5 days x Jupiter velocity daily $1.1318 \mathrm{mkm}=1622.4 \mathrm{mkm}$ Uranus Neptune Distance | 0 |
| -1433.5 days x Saturn velocity daily $0.838 \mathrm{mkm}=1201 \mathrm{mkm}$ Mars Saturn Distance | 0.3\% |
| -1433.5 days x Uranus velocity daily $0.5875 \mathrm{mkm}=842 \mathrm{mkm}$ |  |
| -1433.5 days x Neptune velocity daily $0.4665 \mathrm{mkm}=670 \mathrm{mkm}$ Venus Jupiter Distance | 0 |
| -1433.5 days x Pluto velocity daily $0.406 \mathrm{mkm}=582 \mathrm{mkm}$ Mercury Earth distance*2П | 1\% |

$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 6-2 Discussion

What the previous data tell us?
Group No. 1
Tell us clearly that - Saturn is the central planet of the solar group
We can't follow the energy after Saturn basically because Saturn created a specific geometrical structure by these equal distances
The previous data tells us that - there's a specific geometrical structure is created here by effect of Saturn - and we can't see or understand how the solar group works unless we answer the question....

## Why these distances are equal???

## Please review

Solar System Motion Principle
http://vixra.org/abs/1908.0126
Solar System Geometry (Summarized Discussion Part 4) http://vixra.org/abs/1908.0105

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
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