# Why Saturn Diameter $=\mathbf{1 2 0 5 3 6} \mathbf{~ k m}$ ? (Part 1) 

By Gerges Francis Twadrous
$2^{\text {nd }}$ Course Student - Physics Department - Physics \& Math Faculty Peoples' Friendship University - Moscow - Russia -2010-2013 TEL +201022532292 mrwaheid@gmail.com / georgytawdrous@ yandex.ru The Assumption Of S. Virgin Mary -Written in Cairo - Egypt - $22^{\text {nd }}$ July 2019 Abstract
A Solar Group Suggested Description:
1- The Solar Group is One Geometrical Structure or one building and each planet is a part of this same building- i.e. Each Planet is created to be a complementary to the other planets and No solar planet is created or move independently
2- The solar group can be similar to one trajectory of Energy and each planet is a point on this same trajectory.
3- Also the solar group can be similar to one body, and each planet is a member in this same body.
4- Also, The solar group can be similar to one machine each planet is a gear in this same machine... so the machine works as one group.. that means the cooperation and integration between the solar planets data is the main base on which the solar group is created and move.

## 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 that the Space is created of Energy also... (Space = Energy)
So the matter and space both are created from the same energy..
Can that be possible?
The Energy has different forms (sun rays - nuclear interactions - oil- food ..etc)
Different forms for the same content....
So it's possible to create matter and space of the same energy...
I have another example to support that...
In double slit experiment (Young Experiment) - the light coherence produced bright and dark fringes -regardless the theoretical explanation - the experiment tells "when one input is used(light)- 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 depending on 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 show the solar planets dependency.
Gerges Francis Tawdrous +201022532292 CV http://vixra.org/abs/1902.0044
Academia https://rudn.academia.edu/GergesTawadrous
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheid1@yahoo.com mrwaheid@gmail.com +201022532292

## 1- Introduction

Why Saturn Diameter $=120536$ km?!
In my previous Paper -
Why Jupiter Diameter $=142984 \mathrm{~km}$ ? (1) http://vixra.org/abs/1907.0137
I have claimed that - Saturn Diameter is Created as a result of Jupiter Neptune Relationship - in this paper we should discuss how Saturn diameter can be produced based on this relationship and also we should prove this explanation (which we will do in Point No. 3 of this paper)

Any Way Saturn Data itself is more complex beyond Saturn Diameter Creation - in fact - Saturn Data - if we understand it - may change the solar group general description...!
To make this claim more clear let's provide the following data...

## I-Data

- Mercury Neptune Distance
- Mercury Saturn Distance
- Saturn Orbital Distance


## More Data

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

| $=$ Mars Orbital Distance | $\mathrm{x} \pi$ |
| :--- | :--- |
| $=$ Mercury Saturn Distance | $\mathrm{x} \pi$ |
| $=$ Venus Jupiter Distance | $\mathrm{x} \pi$ |
| $=$ Uranus Neptune Distance | $\mathrm{x} \pi$ |
| $=$ Earth Orb. Circumference | $\mathrm{x} \pi$ |
| $=$ Saturn Orb. Distance | $\mathrm{x} \pi$ |
| $=$ Earth Orb. Circumference | $\mathrm{x} \pi$ |

## II- Discussion

Why These Distances Are Equal? Why this question is difficult....?
The basic difficulty in the solar group study is How to use the planets data! When we look at Planetary Fact Sheet - we see just numbers have no clear meanings - so when the numbers are ordered relative to each other - some equations - as the previous group - can be produced - simply we have no answer why these distances are equal...? Why?
Because we don't know How The Planet Orbital Distance Is Defined? The general concept tells that the planet orbital distance should be defined based on the gravity
forces - but if we examine that deeply - may someone will ask - why Jupiter isn't in Mercury place where Jupiter is the greatest mass in the solar group? - in fact the planets order contradicts clearly the masses gravity concept! (also Uranus is more near to the sun than Neptune!) - such questions have One Answer Only ..."Because of the initial points!"
Now the planets data question became a historical question - which makes the Planetary Fact sheet is useless paper!

Clearly we can't accept this result -
Simply we have the planets data in our hands - and we will disregard the historical records and claim these historical records are fake records (simply untrue)
In this case we will analyze the planet data and try to conclude how this data is created-
That's the paper main objective - We will analyze the planets data - at least the previous equations and Saturn diameter - trying to conclude the basic concepts behind this data - we will not follow any concepts but we will learn from the data itself...so this is the paper objective...
But
I want to make my claim more clear - so let's discuss the eclipse phenomena shortly:

## Eclipse Phenomena

Why We See The Sun Disc = The Moon Disc? Because
$\frac{\text { Earth Orbital Distacne }}{\text { Earth Moon Distacne }}=\frac{\text { The Sun Diameter }}{\text { The Moon Diameter }}$

Why The Diameters Rate $=$ The Distances Rate? To discuss this question we have a real resistance - that because - the historical records claims that the moon changes his orbital distance during the period- and in future the moon will not able to make eclipse because he will be more far from Earth! Long history we have to keep for no reason! Who can prove this mystery? I can prove easily that the diameters rate $=$ the distances rate .... The data in my hand and the fake historical record simply take it from my hand and push me to be poor owns no any data!
Now why the historical records are fake? Because there are rates between all solar planets diameters...I have tenths (or may hundreds) of equations similar to the eclipse equation (the previous one) for all solar planets diameters - for example (Sun Diameter $/$ Saturn Circumference $)=($ Earth Diameter $/$ Moon Diameter $) \ldots$.
The rates between diameters and distances are not unique for the moon - It's a building method by which the solar planets and their distances are created - and based on that we have to reach to other conclusions.... The current theories are insufficient to understand the solar group origin and motion - that's why we analyze the planets data because from this analysis we may reach to the true geometry in which the solar group is created...
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 2- Methodology

(I)

- I use the same methodology in all my papers
- I use the planet data analysis as a research method - I try to conclude the geometrical rules based on which the planet data is created (Planet Data means ..Planet Diameter, Mass, Orbital Distance, Orbital Inclination, Axial Tilt...etc)
- I use NASA Planetary Fact Sheet (http://nssdc.gsfc.nasa.gov/planetary/factsheet/)

Why The Planets Data Analysis can help us to discover solar group geometrical rules and description?
As in Pythagoras rule
Suppose we have a right triangle its dimensions are 3,4 and 5 meters (for example)
So by analyzing these 3 dimensions we may reach to Pythagoras Rule ( $z^{2}=x^{2}+y^{2}$ )
So The planets Data analysis is useful to discover the unknown geometrical rules
(II)

I depend on The Data Direction
What does mean The Data Direction?
Let's use an example to explain that in following:

## Example

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

I have tried to explain this equation before- nevertheless - let's try to conclude the basic idea behind this equation

## What can we conclude here?

There's $\underline{\text { A Dependency Between these } 4 \text { Planets Axial Tilts }}$
Someone will claim that's "Pure Coincidence"! but we see it's somehow difficult to accept the same pure coincidence three times

So we have to conclude that there's some relationship between these planets axial tilts So- the Equation explanation is hard - but The Data Direction is clear- the direct conclusion is "There's A Relationship Between These Planets Axial Tilts"...
let's see the next equation..

$$
\frac{\text { 115.2 Mars axail tilt }}{\text { 113.7 Earth axail tilt }}=\frac{\text { 116.7 } \text { Satrun axail tilt }}{\text { 115.2 Mars axail tilt }}=\frac{118.3 \text { Neptune axail tilt }}{116.7 \text { Satrun axail tilt }}
$$

The Previous equation supports The Same Data Direction -it tells - there's a deep relationship between These Planets Axial Tilts - and this relationship is seen between these planets axial tilts on the horizontal level as well as on the vertical level.

## 3- Saturn Diameter Creation

## 3-1 Preface

3-2 Jupiter Neptune Relationship Effect On Saturn Creation
3-3 Mercury Effect

## 3-1 Preface

How to use the planets data?
The eclipse phenomena is a rich one which can help us in this discussion:
$\frac{\text { Earth Orbital Distacne }}{\text { Earth Moon Distacne }}=\frac{\text { The Sun Diameter }}{\text { The Moon Diameter }}$

The previous equation enables us to see the sun disc $=$ the moon disc
When I have seen this equation- I thought that- these 4 values should be created from the same source and relative to each other to perform this equation...
Of course - the idea is difficult- specially for the sun diameter... how these 4 values can be created from the same source and based on the same geometrical rules?!

Let's ask first ... ( $\mathbf{1}^{\text {st }}$ Question)
How the matters (masses) can be created relative to each other? Can that be possible?
(1 $1^{\text {st }}$ Answer)
In double production experiment - Gamma rays $(1.2 \mathrm{Mev})$ can produce electron and positron (2 particles equal in Mass and different in charges)
Double Production experiment tells us that - the matters can be created relative to each other - I don't say - this is the way by which the solar planets are created -I try only to show that - the matters can be created relative to each other ... this idea simply isn't imaginary...

## Now let's ask ( $\mathbf{2}^{\text {nd }}$ Question)

How can we understand the planets data? How can we use this data?
We need to provide the basic definations...let's do that in following:

* Matter (Mass) is Energy ( $\mathrm{E}=\mathrm{mc}^{2}$ supports that)
* Space is Energy (My Hypothesis)

So

## The Matter And Sapce Are Created From The Same Source

The previous sentence can provide a good expnantion for the previous equation
( $\mathbf{3}^{\text {rd }}$ Question) Is there any new concept can help us to understand the solar planets data?
( $3^{\text {rd }}$ Answer)- It's my conclusion that ... "there's one Equation only control all solar planets data"this conclusion we have discussed in the previous paper and we'll use it in this paper
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## 3-2 Jupiter Neptune Relationship Effect On Saturn Creation

## Saturn Diameter - Jupiter Radius = Neptune Diameter x 0.99

This is the equation based on which I have claimed that - Saturn is created from Jupiter energy by Neptune Help - and we have explained the long story about Jupiter energy which is sent to Pluto and reflected by Neptune toward the inner planets in 2 different Trajectories of Energy.. now let's see our data in following

## I-Data

(Note Please $\quad 654.9$ mkm = Saturn Jupiter Distance)
Equation No. 1

## Jupiter Pluto 5092 mkm - Mercury Neptune 4437.5 mkm $=\mathbf{6 5 5} \mathbf{~ m k m}$ (Jupiter Saturn Distance)

## Equation No. 2

$654.9 \mathrm{mkm} \times 2=120536 \mathrm{~km}$ (Saturn Diameter) x 10921 km (Moon Circumference)
Saturn orbital Circumference - Jupiter orbital circumference $=$ Saturn Circumference x Earth Moon Circumference

## Equation No. 3

$654.9 \mathrm{mkm} \quad \mathrm{x} 4.38 \mathrm{mkm} \quad$ (Sun Circumference) $=2872.5 \mathrm{mkm}^{2}$
( $654.9 \mathrm{mkm} \mathbf{x} \boldsymbol{\pi} \quad \mathrm{x} 4.38 \mathrm{mkm} \quad($ Sun Circumference $)=9000 \mathrm{mkm}^{2}$ )
( 3475 km (Moon Diameter) $\quad$ x 1.392 mkm (Sun Diameter) $=4900 \mathrm{mkm}$ )
Note $2872.5 \mathrm{mkm}=$ Uranus Orbital Distance, $9000 \mathrm{mkm}=$ Satrun orb. Circumference

## Equation No. 4

$90000 \mathrm{mkm}=\pi^{3} \times 2872.5 \mathrm{mkm}$ (Uranus Orbital Distance)

## Equation No. 5

$654.9 \mathrm{mkm} \times 0.363 \mathrm{mkm}=237 \mathrm{mkm}$ but $(5832.5$ hours $/ 24.6$ hours $)=237$

## I-Discussion

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

I have tried to prove that the energy is sent from Jupiter to Pluto where Neptune reflected it toward the inner planets - by many ways - I have tried to prove this Trajectory of Energy - I did that because - we need to find a connection between the 2 planets where I have claimed that Saturn Diameter is created depending on Jupiter Diameter.
What we trying to do here is - to use this energy which is passed from Jupiter to Neptune to the inner planets - this energy is seen in distances form- and we will use this energy to create Saturn Diameter and orbital distance - so our task here is easy one - which is

## Paper Main Task

We need to show that - the same energy which is sent from Jupiter to Neptune - from this same energy - Saturn Diameter And Orbital Distance Is Created
We can't examine the mechanism by which this energy is transported and produced the matter \& distance... this is hard task to do - what we can here to do is to show that Saturn diameter and orbital distance are created from this same energy sent from Jupiter To Neptune which Neptune later reflected toward the inner planets...
The previous 5 Equations may help us to do that
Let's start immediately....

## Equation No. 1 (Paper Main Equation)

## Jupiter Pluto 5092 mkm - Mercury Neptune 4437.5 mkm $=655$ mkm (Jupiter Saturn Distance)

How can we understand the previous equation? Let's remember how the energy is sent from Jupiter to Mercury in following..

## The Whole Story

Jupiter owns The Solar Group Main Energy
Data
(Equation No. I)
(Pluto Orbital Circumference- Jupiter Orbital Circumference) $\mathbf{x} \boldsymbol{\pi}=\underline{\mathbf{1 0 0 2 2}} \mathbf{~ m k m}$
Note Please

## 2x100224 mkm =

> 28255 mkm (Neptune Orbital Circumference) + $2 \times 86400 \mathrm{mkm}$

But

100224 million $\mathrm{km}=($ Pluto Orbital Circumference - Jupiter Orbital Circumference) $\mathbf{x} \boldsymbol{\pi}$
(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

How to understand Equation No. A?
I have supposed that - The Space Is Energy - means The distance is Energy - So
The Distance Between Pluto And Jupiter Is Energy...
So this distance value is multiplied by $\pi$ (Which I don't know why!) to produce the number 100224 mkm

Now we need double value of this same number (multiplying $\mathbf{x 2}$ ) - why?
Because
28255 mkm (Neptune Orbital Circumference) $+2 \times 86400 \mathrm{mkm}=2 \times 100224 \mathrm{mkm}$
Neptune Orbital Circumference consumes only $16 \%$ of this number ( $=28255 \mathrm{mkm}$ )
The rest value will be divided into 2 equal values each $\mathbf{= \mathbf { 8 6 4 0 0 }} \mathbf{~ m i l l i o n ~ k m}$
The Equations tell us the value 86400 mkm can be produced by another way!!
(Neptune Orbital Circumference - Earth Orbital Circumference) x $\pi=86400 \mathrm{mkm}$ And this same equation can be used for Venus also...

Let's try to explain what the previous Data tell us in following:

## Detailed 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 $=\underline{\mathbf{1 0 0 2 2 4} \mathbf{~ m k m ~ x ~} 2}$
- The value $\mathbf{1 0 0 2 2 4 \mathbf { m k m } \times 2}$ is the solar group main energy and it sent now from Jupiter Toward Pluto
Then
- Neptune used $16 \%$ from the sent 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
- The $2^{\text {nd }}$ Trajectory is sent toward Earth $\&$ Venus ( 86400 mkm)
- The $1^{\text {st }}$ Trajectory is sent to Mercury alone ( 86400 mkm )
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292


## Equation No. 1 Discussion

## Jupiter Pluto 5092 mkm - Mercury Neptune 4437.5 $\mathbf{m k m}=655 \mathbf{~ m k m}$ (Jupiter Saturn Distance)

We should keep the Energy trajectories by heart - let's summarize the energy transportation process....from where to where the energy passed..?

From

- Jupiter to Pluto
- Neptune reflected the energy toward the inner planets (Mercury example)

So the previous expiation has 4 planets ...
Jupiter - Pluto - Neptune - Mercury
What Equation No. 1 tell us?
Jupiter Pluto distance - Mercury Neptune distance $=$ Jupiter Saturn Distance
The geometrical explanation is far from us - but the data is just strong enough and clearly... how this difference $=655 \mathrm{mkm}$ ? I don't know but the distance is energy (Space is Energy) and that means these values are working correctly because the energy motion direction is corrected...

So- this equation - proves the idea strongly and clearly -
In next equations we will see that - Saturn Data depends almost on the value 655 mkm (Jupiter Saturn distance) - that tells us - the distance between Jupiter and Saturn is more than mere distance .... It's not mere value we find on ruler - it's working energy and it can be seen as distance and also can be seen as a planet diameter or circumference - which supports the main claims in my paper which are

1- The Planet Matter (Mass) And Orbital Distance Are Created From The Same Energy
2- The Energy is transported through the solar group to build the matter and distance of all planets
3- The solar group works as one machine (or one building) and each plant is a prt of this same building...

## Equation No. 2

$654.9 \mathrm{mkm} \times 2=120536 \mathrm{~km}$ (Saturn Diameter) x 10921 km (Moon Circumference) Where
$654.9 \mathrm{mkm}=$ Jupiter Saturn Distance
$654.9 \mathrm{mkm} \times 2=$ the total distance along the orbital diameter ( 360 degrees)
What does Equation No. 2 tell us?
Why

## Earth Moon Circumference x Saturn Diameter = Jupiter Saturn distance x 2?

We have seen a similar equation ....

## Earth Moon Circumference x Jupiter Circumference =Jupiter Orbital Circumference

What conclusions we can reach here
1- Saturn receives his Energy from Jupiter Saturn Distance - That supports the previous equation strongly.

2- Saturn and Jupiter behave with similar way to define their distances relative to Earth Moon Diameter....

I wish we can conclude at end that - the moon diameter is created based on geometrical necessity - that can be occurred only when the solar planets together consist one building or one machine or one geometrical structure - for that reason the moon is needed to be in harmony with the other planets - Why in harmony? because the motion is NOT planet individual motion- on the contrary - it's the machine motion - so the moon move with Jupiter with Saturn with Earth with Uranus ....with Pluto....etc.... we move together as one body - Each Gear (Each Planet) has to be in harmony with the others - that's why the moon diameter is a rate in different distances evaluation...based on that we can explain the following additional data

## Additional Data

A- The Sun Diameter $\quad \mathrm{x}$ The Moon Diameter = Jupiter Orbital Circumference
B- Jupiter Circumference x the Moon Circumference= Jupiter Orbital Circumference
C- Mars Circumference x The Moon Circumference $=$ Mars Orbital Distance
D- $43000 \mathrm{~km} \quad \mathrm{x}$ The Moon Diameter =Earth Orbital Distance (43000km $=$ The distance between Perigee and Apogee points in the moon orbitand we know that the moon moves from perigee to apogee only and that means the value 43000 km is the freedom distance in which the moon can move)
E- Venus Diameter x The Moon Diameter =Earth Venus Distance
F- 86400 seconds $\quad x$ The Moon Circumference =Earth orbital Circumference
G- 27.3 days $\quad x$ The Moon Circumference $=$ Light motion distance for 1 second (Eq. F \& G were explained in ("Jupiter Diameter (2)" http://vixra.org/abs/1907.0321)
(even if the explanation is hard - the data supports the idea strongly and clearly)

Equation No. 3
654.9 mkm
( $654.9 \mathrm{mkm} \mathbf{x} \boldsymbol{\pi}$
(3475 km (Moon Diameter)
$\mathrm{x} 4.38 \mathrm{mkm} \quad($ Sun Circumference $)=2872.5 \mathrm{mkm}^{2}$
$x 4.38 \mathrm{mkm} \quad($ Sun Circumference $\left.)=9000 \mathrm{mkm}^{2}\right)$
x 1.392 mkm (Sun Diameter) $\quad=4900 \mathrm{mkm}$ )

Note $2872.5 \mathrm{mkm}=$ Uranus Orbital Distance,
$9000 \mathrm{mkm}=$ Saturn orbital Circumference
Where
$9000 \mathrm{mkm}=$ Saturn orbital Circumference
$4900 \mathrm{mkm}=$ Jupiter orbital Circumference
Please remember
654.9 mkm x 2 = Moon Circumference x Saturn diameter

I wish we see - for second time - that Saturn Behavior is very similar to Jupiter behavior... we have many equations support this claim

It's hard to explain the previous Equations meaning because we need to discuss the sun creation...
Any way (again) Jupiter \& Saturn behave very similar with the sun - that doesn't mean they do the same job - because the solar group is one machine - for that no any 2 planets do the same job - but all planets do complementary jobs with each other So - they do complementary jobs - still the geometrical mechanism far to be understood - but the data leaves no room for doubt...
The next additional data may provides some more support

| The Sun Diameter $=$ Jupiter Diameter $\times \pi^{2}$ <br> Saturn Diameter $=$ Venus Diameter $\times \pi^{2}$ | error $1.5 \%$ <br> error $0.8 \%$ |
| :--- | :--- | :--- |
| Saturn Orbital Distance $=(\text { Venus Circumference })^{2}$ | error $1 \%$ |

Equation No. 2 has 2 Parts
(1) Equation No. 2 explain how the sun is created and this we can't discuss here because we need to do that in (Why Jupiter Diameter $=142984 \mathrm{~km}$ Part 4) which I should write as soon as possible...
(2) Equation No. 2 tells - Saturn orbital distance $=$ Saturn Uranus Distance because Saturn and Uranus are effective planets in the sun creation process the distances equality is found for a geochemical reason relative to the sun creation which we should discuss with this subject...

## Equation No. 4

$90000 \mathrm{mkm}=\pi^{3} \times 2872.5 \mathrm{mkm}$ (Uranus Orbital Distance)

## Equation No. 5

$654.9 \mathrm{mkm} \times 0.363 \mathrm{mkm}=237 \mathrm{mkm}$ but $(5832.5$ hours $/ 24.6$ hours $)=237$

The previous 2 equation $(4+5)$ also relative to the sun creation process - and for that we can't discuss them here...

## 3-3 Mercury Effect

This point will be discussed in the next paper (why Saturn diameter 120536 km Part 2)

## 4- Why Saturn orbital Distance = Many Other Distances In the Solar Group

## I-Data

- 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 $=$ Mars Orbital Distance $\mathrm{x} \pi$
- Earth Neptune Distance $\quad=$ Mercury Saturn Distance $\quad \mathrm{x} \pi$
- Jupiter Uranus Distance $=$ Venus Jupiter Distance $\mathrm{x} \pi$
- Jupiter Pluto Distance
- Uranus Pluto Distance
- Neptune Orb. Distance
- Pluto Orbital Distance
$=$ Uranus Neptune Distance $\mathrm{x} \pi$
$=$ Earth Orb. Circumference $\mathrm{x} \pi$
$=$ Saturn Orb. Distance $\quad \mathrm{x} \pi$
$=$ Earth Orb. Circumference $\quad \mathrm{x} \pi$


## II-Discussion

Why These Distances Are Equal?
Where is the difficulty in this question? Let's summarize it in following...
The observational results supports Kepler Description concerning the solar group - so we see the solar group as 9 planets move in elliptical trajectories around the sun similar to this picture


So Why Any Distance Can Be Equal To Any Other Distance?
The previous data provides us with some puzzled information For example

- Mercury Neptune Distance = Saturn Pluto Distance
- Mercury Saturn Distance = Neptune Pluto Distance

The previous 2 equations give us some feeling that we deal with some rectangle


Many other geometrical forms we can create from the previous equal distances...
But all that can't be useful ... because the direct observational results tells us that the planets trajectories are ellipses around the sun...
As a result for this situation - we have to consider all the previous equalties are found as pure coincidences...!

To solve that - I have one idea - which will discuss deeply in the next paper - any way we may summarize it here in following

## The Planet Motion Real Trajectory May Be Not An Ellipse!

## The Main Idea:

- How the Space is Created? ....... The Space Is Energy (my hypothesis)
- The moon rotates around the Earth...is the space in which the moon rotate found with the moon motion or without the moon motion? i.e. if the moon doesn't rotate around the Earth ...Can this same space be found around the Earth?

Shortly

- I want to say that - the moon by his motion can effect on the space around us and he gives us vision may be different from the real vision.... That means .... The moon motion causes space to be as A Mirage ... we see it but it's not real
- This is mere idea I concluded from some data

So let's see this data in following:

## I-Data

## (Equation No. A)

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

## (Equation No. B)

$\underline{\text { 118.3 Neptune axail tilt }}=1.0725$
127.27
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

## I-Discussion

Equation No. A
$\frac{\text { 25.2 Mars axail tilt }}{\text { 23.4 Earth axail tilt }}=\frac{\text { 26.7 Satrun axail tilt }}{25.2 \text { Mars axail tilt }}=\frac{28.3 \text { Neptune axail tilt }}{26.7 \text { Satrun axail tilt }}=1.0725$
We have discussed before - any way it tells us that - there's a relationship between these 4 Planets Axial Tilts...

We don't try to discuss how this relationship is found and why it's a useful relationship... we simply accept the relationship without explanation based on the planet data...

Now let's move top Equation (No. B)

## (Equation No. B)

118.3 Neptune axail tilt
127.27

What does Equation b tell us?
Neptune axial tilt 28.3 degrees on horizontal; level can be 118.3 degrees on vertical level ( 28.3 degrees $+90=118.3$ degrees)

What does this Equation tell us ? there's a relationship between Neptune axial tilt on vertical axis ( 118.3 degrees) with the number 127.27 ....!
And what is this number 127.27...?

$$
127.27=(400 / \pi) \ldots
$$

What does that mean?
The sun diameter $=400 \mathrm{x}$ the moon diameter and also Earth orbital distance $=400$ Earth moon distance (at eclipse radius)...
How that can be useful for us? the idea simply that .... The solar planets positions may order in different geometrical forms (as square or rectangle) but we see only the elliptical trajectory of motion- that because - the moon orbit takes the real geometrical structure (whether square ort rectangle ...ect)
And transform this real form into imaginary trajectory form which is the eclipse
To judge this idea if it can be real or not.... we need to know how the space is created and if the planet motion can effect on the space around this motion?

Please review ... Why We See the Sun Disc = the Moon Disc? (T.S. Eclipse II) http://vixra.org/abs/1903.0322
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheidl@yahoo.com mrwaheid@gmail.com +201022532292

The Moon Orbit Analysis
http://vixra.org/abs/1811.0422
The Moon Orbit Triangle
http://vixra.org/abs/1901.0082
The previous discussion is a summary where this full subject we need to discuss in the next paper

## Please review

Why Jupiter Diameter $=142984$ km? (1)
http://vixra.org/abs/1907.0137
Why Jupiter Diameter =142984 km (2)? (Revised)
http://vixra.org/abs/1907.0321

Why Jupiter Diameter =142984 Km? (3)
http://vixra.org/abs/1907.0377
Gerges Equations For Solar Group Geometry
http://vixra.org/abs/1906.0564
The Unit Definition Is Relative
http://vixra.org/abs/1906.0379
Uranus Is Perpendicular on Earth Moon Orbit
http://vixra.org/abs/1906.0316
Special Theory Of Relativity (Questions For Discussion)
http://vixra.org/abs/1906.0008
There's A Light Beam Travels With 1.16 mkm per sec (My Claim)
http://vixra.org/abs/1904.0236
Why The Light Is The Universe Highest Velocity?
http://vixra.org/abs/1801.0369
Gerges Francis Tawdrous $\quad+201022532292$
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
$2^{\text {nd }}$ Course student - physics Faculty - People's Friendship University - Moscow -Russia..
mrwaheid1@yahoo.com mrwaheid@gmail.com +201022532292

