

Kepler 3rd Law Explanation

(a claim against Nobel Prize board decision- in physics -2018)

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Abstract

Kepler 3rd Law proves that the solar group is one machine or one body, each planet is a member in this same body.

i.e.

Kepler 3rd law contradicts Newton Mechanics and the Universe Random Creation Concepts.

A claim against Nobel Prize Board Decision – in Physics -2018

Best Greetings

I send this paper as a claim to the Nobel Prize Decision Board - for their decision - for Nobel Prize in physics 2018

Of course I have nothing against the great people who receive the Nobel Prize in Physics 2018 and I congratulate them for their great works

But at my side, I found there's a serious question here

Because I explained frequently in my research that, there's a serious contradiction in physics current theories and we can't understand the solar group geometry if no one solves this contradiction...

I Provided many hard arguments to prove this claim and thought that, the Nobel Prize Board will support me to solve this contradiction in physics.

But I found the Board decision avoids my work!

For that reason I summarized the main idea in this paper and send it as a claim to the Nobel Prize Decision Board

And I wish the board will accept to give me a chance to explain and defend my point of view..

With the Best Regards

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1- Introduction

Where's this contradiction between Kepler 3rd law and Newton Mechanics?

Kepler 3rd law tells $(P^2/a^3) = \text{constant..}$

Where (P= solar planet orbital period a=Solar Planet orbital distance)

Kepler 3rd law tells us the following:

1. There's a general harmony between the solar planets motions
2. This general harmony can be produced only if the solar planet all data (mass- diameter- orbital inclination- axial tilt ..etc) contribute in the planet motion. (i.e. the planet motion doesn't depend on his Mass only ..)

From that, we may conclude the following:

3. The solar planet data is produced based on a geometrical structure

i.e.

4. There's a geometrical structure contains the whole solar group, and this geometrical structure produces the solar planet data to be in harmony with other planets' data and to perform the general harmony of motions, based on which Kepler 3rd law is produced.
5. That means, for example Mercury Diameter 4879 km isn't found by chance but found based on other solar planets' data, because this diameter role should be in harmony with the other planets data to perform the planets motions general harmony.
6. Simply, No solar planet single data can be produced independently but dependent on other planets' data by the solar group geometrical structure which guarantees the motions general harmony.

7. Shortly, There's One Geometrical Structure creates And controls All Solar Planets Data..

How this geometrical structure can be found?

8. The solar group is one Energy Trajectory and each solar planet is a point on this Trajectory of Energy.
9. i.e. solar planet matter is created from Energy ($E=mc^2$) and solar planet orbital distance is created from the same Energy (my hypothesis)
10. So, the solar group can be similar to a great river has many canals and these canals create soils on their banks, so the river with his canals and soils all of them are created from the same water (the same Energy).
11. The solar planets motions harmony is found because the solar group is created from one energy..
12. Kepler 3rd law (P^2/a^3) is found based on the solar group motions harmony..

The Idea Summary:

The matter and distance are created from the same energy by a geometrical structure which uses the matter and space as geometrical players. (space definition will be discussed later in this paper).

Newton mechanics concept main difficulty is:

- Newton mechanics doesn't know **How the matter is created!!** So Newton mechanics superficial vision gives us rather imaginary concepts which can't be proved, let's discuss them in following:
 1. Solar planet motion depends on the masses gravity with the sun.. **that makes each planet is independent from the others.**
 2. The planet motion depends on the masses gravity which is a concept has no proof.... Because if this idea is true why Jupiter (the greatest Mass) is not in Mercury place to be the nearest planet to the sun, supporting the gravitation equation (m/r^2)? Some answers told because of the initials points! And in this case why the gravitation Equation is acceptable?
 3. The main problem with Newton Mechanics, the vision that **each planet is independent in his data from the other planets' data.** also the wrong idea that the planet moves because of the masses gravity only which causes a distinguish in the planet data himself, supporting the illogical description that, some planet data can force the same planet other data to create a motion in specific direction!!
 4. Simply, if the planet moves in some direction that means all this planet data supports this same motion otherwise the motion will have disturbance

Shortly

Kepler 3rd law tells that, the solar group is **One Geometrical Structure** contains the planets matters and orbital distances which are created from the same energy and cause the planets motions to be in harmony, producing the law.

Newton Mechanics tells the solar planet matter is created in random and moves around the sun by the masses gravity only which makes each planet is independent from the others and makes kepler 3rd law as a miracle can't be found!

So the contradiction is seen clearly

In this paper I try to prove that, The Solar Group is created from one energy and by one geometrical structure (the main objective)

2- 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...

3- The Solar Group is Created by One Geometrical Structure

3-1 Preface

3-2 Solar planet gravity Equations

3-3 Kepler 3rd Law Table (Mars axial tilt)

3-4 Solar Planet orbital distance Equation

3-5 Solar Planet diameter and orbital distance relationship

3-6 The Solar Planets Diameters Relationship

3-1 Preface

Let's summarize the idea in following:

- I claim that, Kepler 3rd Law supports my suggestion that the solar group is one machine or one body, each planet should be considered as a member in this body. That means the solar group is created by one geometrical structure which creates all solar planets data to be in harmony with each other to perform the solar planets motions general Harmony which produces Kepler 3rd Law
 - Shortly, Kepler 3rd law tells that the solar group depends on one geometrical structure

- Newton Mechnics tells us that each planet is independent from the other in his data and motions, where each planet moves by the sun gravity which creates the motion general harmony.

What will I do here?

I will provide data and Equations which prove that the solar group is one geometrical structure and no any planet can be independent from the other planets neither in data nor in motion (and even the sun herself can't be independent from the solar planets neither in her origin nor in her energy)

So all this data supports my claim that the solar group is one machine

3-2 Solar Planet Gravity Equations

Gravity Equation (Gerges Francis Equation)

$$\text{The planet gravity} = \left(\frac{\text{Earth Diameter}}{\text{The Planet Diameter}}\right)^2 \times \left(\frac{\text{The Planet Mass}}{\text{The Earth Mass}}\right) \times \text{Earth gravity}$$

Solar Planet Gravity Equation

I- Data

Table No. 1

Planet	Equation	Resulted	Registered	Error
The Sun	(Earth/Sun diameters rate)² (Sun Mass/Earth Mass)* earth gravity = (1/109)²* 333000*9.8= 274	274	274	0
Moon	(3.66) ² x (0.073 / 5.97) x 9.8	1.6 m/sec ²	1.6 m/sec ²	0
Mercury	(2.61) ² x (0.23/5.97) x 9.8	3.7 m/sec ²	3.7 m/sec ²	0
Venus	(1.0538) ² x 4.87 /5.97) x 9.8	8.9 m/sec ²	8.9 m/sec ²	0
Earth	9.8	9.8	9.8	0
Mars	(1.878) ² x (0.642 / 5.97) x 9.8	3.7 m/sec ²	3.7 m/sec ²	0
Jupiter	(0.0892) ² x (1898 / 5.97) x 9.8	24.7 m/sec ²	23.1 m/sec ²	6.9%
Saturn	(0.10582) ² x (568/5.97) x 9.8	10.44 m/sec ²	9 m/sec ²	16%
Uranus	(0.25) ² x (86.8/5.97) x 9.8	8.9	8.7	2.3%
Neptune	(0.2575) ² x (102/ 5.97) x 9.8	11.1 m/sec ²	11 m/sec ²	0.9%
Pluto	(5.337) ² (0.0131 / 5.97) x 9.8	0.6125 m/sec ²	0.6 m/sec ²	2%

II- The Discussion

1. We can see that, the Equation is working sufficiently with all planets and even the sun follows this same equation, except with Jupiter and Saturn there are big error (6.9% and 16% respectively.... Why?)
2. Jupiter error is 6.9% which is very near from our rate 7.25%, also for Saturn, if Saturn diameter is increased with rate 7.25% to be 129500km ... in this case there will be no error in his gravity equation... we now the rate 7.25% (and also 7.1 and 71) all these rates are found as Lorentz contraction rates, that means the grate error with Jupiter and Saturn are found resulting from the relativistic effects which supports the equation to be considered as a real equation and trustee one
3. we need to observe and analyze deeply **The Sun Equation** in row No.1 of the previous table, because this equation supports my claim that the sun is originated from the same source from which the solar group is originated, otherwise why the sun herself follows the same equation

3-3 Kepler 3rd Law Table

3-3-1 Mars axial tilt

If we use Kepler 3rd Law for the solar group data, we will find the following table

$$P^2 * 25 = d^3 \text{ (Kepler 3}^{\text{rd}} \text{ Law)}$$

- P : The Planet orbital period
- d : The Planet orbital distance
- **25.2: Mars Axial Tilt**

The results are shown in the following table

Table No.1				
Planet	P ²	* 25	= d ³	Error
Mercury	(88) ²	*25	(57.9) ³	0.2%
Venus	(224.7) ²	*25	(108.2) ³	0.3%
Earth	(366) ²	*25	(149.6) ³	0
Mars	(687) ²	*25	(227.9) ³	0.3%
Jupiter	(4331) ²	*25	(778.6) ³	1.4%
Saturn	(10474) ²	*25	(1433.5) ³	1%
Uranus	(30589) ²	*25	(2872.5) ³	1.3%
Neptune	(59800) ²	*25	(4495.1) ³	1.5%
Pluto	(90588) ²	*25	(5870) ³	1.4%

Discussion:

The previous table I used many time in my papers, I have no explanation why Mars Axial Tilt is the constant in Kepler 3rd Law..

Some people told me I use wrong units to reach this result! I use million km for distance and day for periods.. why these are wrong units?!

For Mars full discussion please read

Solar Planets Order disproves the Gravity Theory <http://vixra.org/abs/1801.0114>

Let's see one more example before our discussion

3-3-2 Mars orbital Inclination =1.9 degrees

I- Data

$$\frac{\text{Earth Mars distance } 78.3 \text{ mkm}}{\text{Venus - Earth distance } 41.4 \text{ mkm}} = \frac{\text{Earth orbital distance } 149.6 \text{ mkm}}{\text{Earth Mars distance } 78.3 \text{ mkm}} = 1.9$$

$$= \frac{\text{Mars orbital distance } 227.9 \text{ mkm}}{\text{Venus Mars distance } 120 \text{ mkm}} = \frac{\text{Earth Saturn distance } 1284 \text{ mkm}}{\text{Venus orbital circumference } 680 \text{ mkm}} = 1.9$$

$$= \frac{\text{Mercury Saturn distance } 1375 \text{ mkm}}{\text{Mercury Jupiter distance } 720.7 \text{ mkm}} = \frac{\text{Earth Uranus distance } 2723 \text{ mkm}}{\text{Saturn orbital distance } 1433.5 \text{ mkm}} = \frac{\text{Jupiter Uranus distance } 2095 \text{ mkm}}{\text{Mars Jupiter distance } 550.7 \text{ mkm} \times 2} = 1.9$$

$$= \frac{\text{Pluto Mercury distance } 5817 \text{ mkm}}{\text{Saturn Neptune distance } 3061.6 \text{ mkm}} = \frac{\text{Saturn Neptune distance } 3061.6 \text{ mkm}}{\text{Uranus Neptune distance } 1622.6 \text{ mkm}} = \frac{\text{Mars Saturn distance } 1205 \text{ mkm}}{\text{Earth Jupiter distance } 629 \text{ mkm}} = 1.9$$

$$= \frac{\text{Mars Uranus distance } 2644.6 \text{ mkm}}{\text{Mercury Saturn distance } 1375 \text{ mkm}} = \frac{\text{Earth pluto distance } 5720 \text{ mkm}}{\text{Pluto Uranus distance } 2997.5 \text{ mkm}} = 1.9$$

$$= \frac{\text{Mars Neptune distance } 4267.2 \text{ mkm} \times 2}{\text{Neptune orbital distance } 4495.1 \text{ mkm}} = 1.9$$

II- Discussion

Mars axial tilt is the constant in kepler 3rd law table and Mars orbital inclination is the constant in all previous equations...

The current theories tell us that this data is found by pure coincidences

And I claim this data proves that the solar group is created by a geometrical structure which creates the planets data in harmony with each other to guarantee the motions general harmony.

For more discussion please see my paper
The Solar Group is One Machine (Proves)
<http://vixra.org/abs/1808.0081>

3-4 Solar Planet orbital distance Equation

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

Where

d= Planet Orbital Distance

d_o= Previous Planet Orbital Distance

There are 3 exceptions which are:

- Earth depends on Mercury
- Mars depends on Venus
- Pluto depends on Uranus

The equation tells us that the disturbances are found with Mars, Pluto as we expected and Earth also as a result of Mars immigration

Let's see this equation application in following

1-

Venus Orbital Distance 108.2 mkm)²= 4* Mercury Orbitabl Distance 57.9mkm x 50.3mkm
Mercury Venus distance. (No error)

2-

(Earth Orbital Distance.149.6 mkm)² = 4* Mercury Orbitabl Distance 57.9mkm x91.7 mkm
Mercury Earth distance) (2.5%)

3-

(Mars Orbital Distance 227.9 mkm)² = 4* Venus Orbitabl Distance 108.2 mkm x 120 mkm
Venus Mars distance) (No error)

4-

(Ceres Orbital Distance 415 mkm)² = 4* Mars Orbitabl Distance 227.9 mkm x187 mkm
Mars Ceres distance) (No error)

5-

(Jupiter Orbital Distance 778.6 mkm)² = 4* Ceres Orbitabl Distance 415 mkm x 364 mkm
Ceres Jupiter distance) (No error)

6-

(Saturn Orbital Distance 1433.5 mkm)² = 4* Jupiter Orbitabl Distance 778.6 mkm x 655.7
mkm Jupiter Saturn distance) (No error)

7-

(Uranus Orbital Distance 2872.5 mkm)² = 4* Saturn Orbitabl Distance 1433.5 mkm x 1439
mkm Saturn Uranus distance) (No error)

8-

(Neptune Orbital Distance 4495.1 mkm)² = 4* Uranus Orbitabl Distance 2872.5 mkm x
1622 mkm Uranus Neptune distance) (4%)

9-

(Pluto Orbital Distance 5870 mkm)² = 4* Uranus Orbitabl Distance 2872.5 mkm x 2997.5
mkm Uranus Pluto distance) (No error)

3-4-1 the Discussion

The Equation works perfectly with all solar planets where the exceptions are only with Mars, Earth and Pluto (which supports the same claim that Mars Immigration)

The Equation tells us that the solar group is created based on a geometrical structure

3-5 Solar Planet diameter and orbital distance relationship

$$D = R * 109^2$$

Where D = planet orbital distance
R = Planet diameter

Let's see that in following

- $109^2 \times$ Mercury diameter 4879 = 57.9 mkm Mercury orbital distance
- $109^2 \times$ Venus diameter 12104 = 144.9 mkm (Mars Displacement)
- $109^2 \times$ Moon diameter 3475 = 41.4 mkm (Earth – Venus distance)
- $109^2 \times$ Earth diameter 12756 = 149.6 mkm (Earth Orbital distance)
- $109^2 \times$ Mars diameter 6792 = 80.5 mkm (Earth – Mars distance)
- $109^2 \times$ Jupiter diameter 142984 = 1700 mkm (Mars –Jupiter Circumference)
- $109^2 \times$ Saturn diameter 120536 = 1433.5 mkm (Saturn Orbital Distance)
- $109^2 \times$ Uranus diameter 51118 = 607.5 mkm
- $109^2 \times$ Neptune diameter 49528 $\times 2\pi$ = 3700 mkm (Jupiter Neptune distance)
- $109^2 \times$ Pluto diameter 2390 $\times \pi$ = 89 mkm (Earth – Mercury distance- 3% error)

II-Discussion

- Previous data tells us that D is Not only (the Planet orbital distance), but also a distance between 2 planets (or even the circumference of this distance)
(i.e. D defines the planet position)

I claimed that, the Equation was consistent but the disturbance is found because of marts immigration... (Solar Planet Diameter Creation Rule <http://vixra.org/abs/1807.0190>)

What are the planets which don't follow the Equation?

(Venus – Uranus and Pluto)

1st Venus: which produces 144 mkm **(Mars displacement distance)**

We have discussed this idea before and we found that Venus is found after mars immigration and found to deal with the new situation produced by Mars Immigration
That's why Venus produces Mars displacement distance 144 mkm

2nd Uranus: which produces 607.5 mkm, this value is produced by the Earth moon during Metonic Cycle 2.41 mkm (Moon orbit circumference) \times 254 months = 608 mkm

Why does Uranus produce this value?

Earth moves during metonic Cycle (the same period) a distance = 18055 mkm (Uranus orbital circumference)

How can we understand that?

Earth and Moon is one system, Earth and moon motions are one system

So, when Uranus diameter produces Moon motion during metonic that expresses Earth motion through Metonic and means the Equation works..

To solve this puzzle we should understand How the Earth-Moon machine works, and that we should discuss later

Mars Immigration Proves (Revised) <http://vixra.org/abs/1807.0268>

3-6 Solar Planets Diameters Relationship

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

Discussion

The idea is clear,

The solar planets diameters rates which are seen in the table tell us that, the solar planets diameters are created related to each other which proves that no planet is created independent from the other planets...

This data may answer our old question,

Why we see the sun disc = the moon disc? Because (the sun diameter/ moon diameter) = (Earth orbital distance/ Earth Moon distance)...! why the diameters rate = the distances rate?!

The diameters are created in rate to each other... this is one feature of the solar planets geometrical features.

4- The Space Definition

What's the space?

The Space is Energy (my hypothesis)

What's the matter (mass)? An Energy according to the Equation $E=mc^2$

I suppose that,

The Matter and Space are created together from the same Energy

What does that mean?

That means, the space is found related to the matter, because the matter is created in motion and needs space to move in

Let's explain clearly as possible

In the classroom you imagine that, the classroom was found empty and the workers brought the desks inside it...

but let's imagine

Each desk is connected with the part of the room floor, on which the desk is found

That means when the desk is brought inside the classroom, a part of the floor was brought with it...

Now the classroom space is produced by the desks cooperation

Means the space is found with the matters and by their cooperation

In my theory of Matter Creation, I supposed that

2 light beams got coherence with each other similar to young Experiment (double slit experiment)

So the results are bright fringes and dark fringes

I supposed that the bright fringes we see as matters

Dark fringes we see as distances

That's why the space is created with the matter from the same energy

Please review my theory of Matter creation

Solar group Geometrical Structure

<http://vixra.org/abs/1805.0081>

The Time Definition

<http://vixra.org/abs/1805.0523>

5- Solar Group Geometrical Structure Features (Alternative Description)

In this point I discuss why the Solar Group Current Description is insufficient! and provide my alternative one

Let's perform this task in next 2 points.

1st / Why The Current Description is Insufficient?

2nd / The Alternative Description

1st / Why The Current Description is Insufficient?

The current theories tell us that, the solar planet moves by gravity forces between his and the sun masses, where the planet defines his orbital distance according to this gravity forces... So the solar group current description shows the solar planets as separated points meet each other only through the sun.

Also the main effective relationship is the sun-planet relationship where the planet-planet relationship is very weak because of the sun massive Mass..

The solar planets, according to the current description, are created from a star was following the sun, later exploded and from his material the solar planets are created by gravity (means the solar planets matters are created by random and there is no any relationship between the planets diameters)

The Current Description Problems

- 1- No one knows How the matter is created? the star story gives us nothing about the matter, simply we don't know how the matter is created? or why the mass produces the gravity?
- 2- The gravity which is the main force in this description still puzzle till now! No one knows the gravity mechanism or if it needs time to work!
- 3- **The main problem** in this description is **the Planet Data Inconsistency**, where the description tells us that Mercury Orbital Distance = 57.9 mkm because of the gravity between his and the sun masses. But the description tells us no explanation why Mercury Diameter = 4879 km or why his orbital inclination = 7 degrees...we can see easily that the description **uses some of the planet data** and ignores simply the other data and by such way the solar planet data become inconsistent...
- 4- This problem produces worse result. Where there's no explanation for the planet ignored data, each relationship is found with this data will be just pure coincidence!

The main question still needs answer... **How the matter is created?**

Again let's provide our old puzzle one more time here ...

Why we see the sun disc = the moon disc? Because (the Sun diameter /the moon diameter) = (Earth Orbital Distance/ Earth Moon Distance)? Why The Diameters Rate =The Distances Rate? no answer for this question because no one knows How the matter is created?

The matter creation was and will be our main difficulty to see the truth. The matter is the player in every point around us, she does the motion and tells us there's a physical law behind.. the Matter is The Knowledge Messenger...

2nd / The Alternative Description

My suggested Description provides the answer for the main question "How the Matter is created ...let's write that at immediately here...

What's the Matter (Mass)?	The Mass is an Energy	($E=mc^2$)
What's the distance?	The Distance is an Energy	(hypothesis)

i.e.

From The Same Energy The Matters (Masses) And Distances Are Created

The Description Summary

One unified Energy is transported from one point to another point through the solar group, this same energy creates the planets matters (masses) and causes the motion transportation from planet to another through the group. In this transportation of Energy the relativistic effects are found because the energy has different velocities in her motions through the group

Based on these relativistic effects, different rates of times are created and based on these different rates of time the solar group can accumulate the energy in different points to create a huge energy from the low one.

Let's summarize the description main points in following:

- 1- General Description
- 2- Main Relationship
- 3- Motion Transportation
- 4- Relativistic And Non-Relativistic motions
- 5- Distance And Time Values Equivalence
- 6- How the Distance And Time Values can be equivalent?
- 7- Energy Accumulation Concept (Why time and distance values are equivalent)

Let's provide a brief statement about each point in following:

1- General Description

- One Unified Energy travels from one point to another point through the solar group, in her travel this unified Energy creates the planet matter and the distance from planet to another planet.
- for Example, the Energy comes from the sun toward Mercury, so she builds firstly Mercury orbital distance and then will build Mercury Planet Mass. Then this same Energy will move toward Venus to build the distance between Mercury and Venus and then will build Venus Planet Mass....etc (Note/ this example is for explanation only, because the Energy real trajectory is more complex)
- This description makes the planet-planet relationship is strong as much as the sun-planet relationship.
- Let's summarize the idea in a sentence "**One Unified Energy builds the Distance and Mass of all solar planets**"
- This description makes the solar group similar to one line of Energy (a necklace)
- Also this description makes the solar group similar to a great river has many canals, each canal creates a soil on her banks. The river water here is similar to the Energy, she creates everything and have different forms, so the canals and their soils are

created from the river water ... that's the same description the matter and distance are created from the same energy even if the matter is not similar to the distance but both of them are created from the same source...

2- Main Relationship

- The problem becomes clear now, because the Energy is transported in different forms as mass, distance or time values.. how can we see the main geometrical pillars of the solar group where there thousands of relationships are found? What relationship is the main one?
- The main relationship is the relationship which connects many planets. For Example Mars Axial Tilt 25.2 degrees works as the constant in Kepler 3rd law (table No.1 is found at End of this introduction).. from this table we see that the constant 25 = Mars Axial Tilt, this tells us that, this Value 25 effects on all solar planets.. even if we don't know why or how but this value (25.2 Mars Axial Tilt) is one of the main solar geometrical structure Values.
- **The Description Main advantage** is the integration and cooperation between the solar planets... which makes the solar group as one machine, that means the value 25.2 will be Mars axial tilt in any place we find it. In more clear The sun Diameter = Venus Diameter x 115.2 (this value 115.2 is Mars Axial Tilt uses its vertical value i.e. $115.2 = 25.2 + 90$) ...means the sun diameter is defined based on Venus diameter with help from Mars Axial tilt.

3- Motion Transportation

- Similar to the transported motion from one gear to another, the motion is transported from one planet to another and through the motion transportation the energy is transported also from point to another through the solar group...
- We should pay attention to the motion transportation sequence Because it's not necessary to transport the motion by the current solar planets sequence There are 2 reasons for that
- **1st Reason** – The planets positions from the sun may change through the history – as I suggested before that Mars immigrated from his original point at 84 mkm to the sun to dwell in his new point in 227.9 mkm to the sun.... this change of Mars orbital distance– if real- causes a disturbance for Motion transportation sequence... the Sun Please review: Data shows Relativistic Effects (revised) <http://vixra.org/abs/1806.0209>
- **2nd - Reason** – the planets positions relative to each other... where I claimed that some planets suffer from Relativistic effects but other don't... that may cause more disturbance for the motion transportation sequence....
- Can we discover the motion transportation real sequence? Yes ... because the Energy is transported from point to another through the solar group and we can follow this Energy trajectory to see clearly the motion transportation sequence.

4- Relativistic and Non-Relativistic Motions

The Description Main Hypothesis

- "There's a physical point in the solar group moves with light velocity relative to another physical point in the solar group"
- This high velocity motion causes relativistic effects on the planets orbital distances and periods
- Because the solar group is one machine or one integrated system, these relativistic effects can be observed in different points in the solar group...
- We can't observe this high velocity motion but we can observe and record the relativistic effects
- So my work is to rewrite the solar planets data in a form shows the relativistic effects, where the planets data consistency will be a crucial proof for my claim.
- If we can perform this task and **prove that there are relativistic effects** in the solar group, that will make the solar group another source to study the Special Theory of relativity by which we can test and develop the theory basics and concepts.
- The proves and discussion of this claim are written in Point No.5 of this Paper

5- Distance And Time Values Equivalence

The Special Theory of Relativity tells us that

If a particle (energy) moves with c velocity the following relativistic effects may be observed:

- 1st- Time Dilation
- 2nd- Length Contraction
- 3rd- Mass Increasing
- 4th- **Time And Distance Values become equivalent...**

Point No. 4th is my conclusion I got by the solar planets data analysis, and this is my suggested contribution in the Special Theory of Relativity

Let's Provide an example to explain how I reach to this conclusion...

- 25920 years is the Cycle of Precession.

But

- Light moves during the solar day 86400 seconds a distance = 25920 million km

Also

- Solar Planets velocities total 17.6 mkm/ daily x 1461 days (Earth 4-years Cycle_ = 25920 mkm

As we see in the previous relationships... the value 25920 are seen 2 times one in time units and the other in distance units.... The same value are seen in different units...

Because this situation is repeated hundreds of times I found it's necessary to find a logical explanation for that..

So I suggested that, the Distance and Time Values become equivalent with high velocity as relativistic effect ... I concluded that basically because not all distance and time values can be equivalent but only a great part of them which can't be pure coincidences ... so I searched for specific reason behind and suggested this one..

- Let's see another example for more explanation
 - o Jupiter Orbital Period 4331 days = Mars Orbital Period 687 days $\times 2\pi$... this equation tells us that these orbital periods are energy transported from one point to another, as the motion transportation from one gear to another.... The time values here are equivalent to distance values, (as the factor 2π tells us) but these values become time values because of the relativistic effects in the solar group...now we can see that, this equation has a physical reason behind and not pure coincidence...

(Review Table No.2 for equivalent time and distance values at end of this introduction)

I want to explain that, the time and distance values equivalence is one of the main Pillars in the solar system geometrical structure, so this isn't limited case in the solar group rather an extending case ...

- Let's see one more example for more explanation

$$2 \times 86400 \text{ mkm} = 60 \times 2872.5 \text{ mkm (Uranus Orbital Distance)}$$

The previous Equation has very specific importance in the solar group

Let's remember its components

- **The value $2 \times 86400 \text{ mkm}$** is the solar group main energy, this value we have discussed in details with Jupiter Energy in my previous paper "Solar Group Geometrical Structure" <http://vixra.org/abs/1805.0081>
- **2872.5 mkm Uranus orbital Distance** is very important distance in the solar group because Uranus is the main player in the sun creation process, we have discussed that before in "The Time definition" <http://vixra.org/abs/1805.0523>
- **The value 60:** is a famous rate in the solar group, and it's found basically because 1hour = 60 minutes and 1 minute = 60 seconds.... Means this rate is found between the distances because these same distances are worked as units of time in different cases that's why this rate 60 is required...(please review Table No.3 in End of this introduction for a complete list for the rate 60)

6- How the Distance And Time Values can be equivalent?

The Distance And Time Values are equivalent! What does that mean?

What distance is equivalent to what time?

I'll write here the general conclusion of this argument but the discussion and arguments are found in Point No.6 of this paper

The General Conclusion

- The solar system uses a unified distance, say 1 million km, for different times rates!
i.e.

- There's a cycle in which 1 mkm = 1 second
- There's another cycle in which 1 mkm = 1 minute
- There's another cycle in which 1 mkm = 1 hour
- There's another cycle in which 1 mkm = 1 day
- There's another cycle in which 1 mkm = 1 week
- There's another cycle in which 1 mkm = 1 month
- There's another cycle in which 1 mkm = 1 year
- There's another cycle in which 1 mkm = 1 Earth Cycle (1461 days)
- That means the same distance works for many Cycle periods... why?

The solar group geometry uses the unified distances to create different rates of time

What does that mean?

The distance also has different rates! Yes the time has day, minute and seconds...etc

But the distance has km and thousand km and million km andetc

So, how to understand this conclusion?

Yes the distance has different rates but no cycle makes this rate to be known

The time different rates have cycles in the solar group to make these rates are shown

That's why the humanity knew all time rates.... year, month, week, day, minute, seconds

These values are standard for the universe regardless the people knowledge

But for distance, people uses km, miles, cubesetc

Solar Group Geometrical Design

The previous conclusion is interesting, the time periods are clear for people but distances aren't that because the universe geometry explains the time different values and rates..

Interesting idea....

But what's the useful result form it?

Why the time different rates and values are seen but the distances aren't?

Because the distances are unified but the time values are specific and shown by cycles

So, the 1 million km which we used in previous data is the same

But with different rates of time..!

Now let's ask

why the solar geometry does that?! Because

The Energy accumulation process depends on different rates of time

7- Energy Accumulation Concept (Why time and distance values are equivalent)

By the different rates of time Earth motion can produce the Sun Energy i.e.

What the Earth moved along complete year, the sun can uses for one day only

so we can see how the energy is accumulated

let's summarize all that in clear idea

-The main Idea Summary

- Based on the solar group relativistic motions, time values can be seen as distances values
- The solar geometry uses unified distances to create different values of time, which are seen by different cycles
- The time different values depend on each other to create different rates of time
- By this different rates of time the Energy can be accumulated to produce huge energy from average one.
- Based on this description, the solar planets motions produce the sun light beams

This claim proves and discussion will be in point No.7 of this paper

Please See also

Solar Group Geometrical Structure

<http://vixra.org/abs/1805.0081>

Author Other Papers

Metonic and Saros Cycles Harmony Reason

<http://vixra.org/abs/1809.0559>

The Solar Group Main Equation (Part 2)

<http://vixra.org/abs/1809.0468>

The Solar Group Main Equation

<http://vixra.org/abs/1809.0186>

The Solar Group Main Energy

<http://vixra.org/abs/1809.0152>

Jupiter Uranus Distance (Metonic Cycle Reason) (revised)

<http://vixra.org/abs/1809.0043>

"Metonic Cycle proves,, Solar Planets Motions depend on Their Cooperation,,

<http://vixra.org/abs/1808.0566>

Mercury Day = 3 Mercury rotation periods =2 Mercury orbital periods, Why?

<http://vixra.org/abs/1808.0588>

Mercury Jupiter Distance (revised)

<http://vixra.org/abs/1808.0495>

The Solar Group is One Machine (Proves)

<http://vixra.org/abs/1808.0081>

Solar Planet Gravity Equation

<http://vixra.org/abs/1808.0012>

The Moon Orbit Geometrical Structure (revised)

<http://vixra.org/abs/1807.0449>

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