My Research Basic Arguments (I)
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The Assumption Of S. Virgin Mary -Written in Cairo - Egypt - $3^{\text {rd }}$ February 2020

## Abstract <br> My Research Basic Arguments (Part I)

## 1st- Lorentz Transformations proves 'Particle Data Is Created As A Function Of Its Motion'"

2nd- Planets Order disproves The Masses Gravity Concept
3rd- There's A Relationship Between Planet Diameter \& Orbital Distance
4th- Matter And Space are Created Complementary To Each Other.

5th- Mars Orbital Distance had changed from 84 mkm to be 227.9 mkm

6th- Planets can't be created based on "The Big Bang Theory"
7th- There's One Equation controls All Planets Data
8th- The Solar Group Is One Machine And Each Planet Is A Gear Of It
9th- The Observer Effects On The Observation Results

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## Introduction

Though my research (2013-2020) I have asked - How Is The Planet Data Created? It's the starting question for all my work (around 200 published papers) So, clearly, questions as why Earth circumference $=40080 \mathrm{~km}$ ? or why Jupiter orbital inclination $=1.3$ degrees? Such questions are spreading through my papers
Then
I have tried to answer these questions - and used the physics current theories to do that- by such way the planets data was in a comparison with the physics theories
Sometimes
The planets data contradicts the current theory - as in planets order - Mercury Venus - Earth .... In this 3 planets we can observe that more mass needs more orbital distance - while Newton gravity concept tells that more mass needs less distance $\left(\mathrm{m}_{1} \mathrm{~m}_{2} / \mathrm{r}^{2}\right)$ - in such cases I just refer to the contradiction between the data and the theory - may be there an explanation - but any way the contradiction is found Sometimes
The planets data be in consistency with the theory as Lorentz Transformations which we can find easily in different data in the solar planets - in this case I find a theory to explain the planets data
And
Through the fighting for long years, I have found arguments against and for different theories - so in this new papers series - I try to write all arguments I have found together with their proves to make the vision as clear as possible before the reader.
In This Part No. (I)
I provide 9 arguments connected with each other -
I start with Lorentz Transformations - as my basic argument for this part- where I claim that Lorentz Transformations show that the particle data is created as a function of its motion - that means -the particle mass is created based on this particle motion - and because this idea disproves Newton gravity concept - I provide (The $2^{\text {nd }}$ Argument) shows that Newton gravity concept is disproved by planets order - planet mass can't define its orbital distance - on the contrary - planet diameter does! We discuss that in (Argument no. 3)
But Why there's a relationship between planet diameter and orbital distance? Because the matter and space are created complementary to each other - Why? - Because the matter is created in motion and needs space for this motion (that's told by Lorentz Transformations) (Argument No.4) , We have a new definition for Space - i.e. Space Can't Be Created Without Matter - But this last conclusion contradicts one of GR basic concepts
Now
If there's really a relationship between planet diameter and orbital distance - that means Mars must be immigrated from its original orbital distance ( 84 mkm ) to its new one ( 227.9 mkm ) so we'll see if there's a proof for this claim (Argument no. 5) And

Because the space has a new definition -and the space is found with the matter and can't be found without the matter - that means - the space is a connection between 2 matters, that means the planets are connected with each other by the space In this case the planets can't be created by "the big bang theory" because the planets are created to be complementary to each other and Not independent from each otherand so the random concept of creation generally is mistaken - because the planets are created relative geometrically, Eclipse refers to this fact (Argument No.6)
Now
Because the planets are created connected to each other and relative to their distances to the sun - that means - One Equation must be found which controls all planets data - so I try to prove this fact here (Argument No.7)

And
Because there's one equation controls all planets data- that means - all solar planets consist together one machine (one building) and each planet should be a gear of this same machine or a part of this same building (Argument No.8)

## AT End

I try to show that- Lorentz Transformations - which lead to our conclusion that-
"Particle Data Is Created Based On Its Motion"- this conclusion starts basically from the human mind effect -The matter has NO real entity - the matter and light vision is created before our eyes because of the human mind realization process effect - for that reason the observer effects on the observation results. (Argument No.9)

## Paper Contents

- Each Argument is written in a separated point (With Its Number)
- Appendix No. 1 (Physics textbooks explanations for Lorentz Length Contraction)
- Appendix No. 2 (Gerges Equations For Solar Group Geometry)
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## Argument No. 1

## (Lorentz Transformations proves "Particle Data Is Created As A Function Of Its Motion')

Let's ask directly...
Is Lorentz Length Contraction a real phenomenon occurred for particle own nature or found by illusion of measurements? The same question for Mass Increasing

We have discussed this question before and found that it's an arguable point where the physics textbooks contradict each other in its answer (in appendix No. 1 I refer to physics textbooks answers for this question which shows the deep contradiction).

## We Accept That Lorentz Length Contraction Is A Real Phenomenon And Can't Be An Illusion Of Measurements Why??

## Because

1- The Physics Experimental Devices measure This Contraction And In Physics What's Measured $=$ What's Real (By This Rule We Save The Physics Methodology Credibility)

2- If we claim that - the length contraction is found by illusion of measurementsthat means simply - the particle data correct definition is found only when no difference in velocity between my motion and this particle motion - by such way I will be The Universe Reference Point - which is similar to a person looks a at mirror

The previous 2 reasons force us to accept that - length contraction and mass increasing are real changes occurred for particle own nature resulting of high velocity motion

This argument helps us to answer how the matter is created?
Because particle data is changing with high velocity motion - that tells us - particle data (almost) is created as a function of this particle motion (A Conclusion)

Any way this conclusion still faces more difficulties... such as
(1) LENGTH CONTRACTION CONCEPT can't be clear for us - where - in mass increasing explanation we have understood that - Particle mass is increased because more energy is provided to the particle through its acceleration - and this energy causes the mass increasing $\left(\mathrm{E}=\mathrm{mc}^{2}\right)$ - but why the length is contracted? If the particle is provided with more energy that means more mass, more volume ...etc means particle length should be increased and not contracted! So why the length is contracted?! Still the analysis point is difficult because - while particle length and mass only are changed with this particle high velocity motion- we have no explanation why these 2 data only are changed by such motion? why not
the density for example?! And still the analysis faces the complex question because - based on these changes we had to have an equation between any particle length and mass - also this equation is still absent-

And at end we don't understand why Einstein didn't interest for particle length and mass changes in his theory- instead - he uses space-time geometry to explain the distance \& time changes by particle high velocity motion, ignoring the particle length and mass changes as if their equations were not found?!
(2) Still we have question - because Lorentz Transformations deal with the particle length and the distance by the same equation- as if the particle length $=\mathrm{a}$ distance! In lorentz equations we can't feel any difference in treatment between the matter and space! Of course that support the idea of planet diameter and orbital distance relationship but on the other side we can't understand how the equations deal with particle length as space of distance!
(3) Still we have more difficulties - If particle data is created relative to its motion that causes complex situation with Newton concept of the Masses gravity because Newton told that the mass is the planet motion reason - but lorentz tells that particle data (and mass) is created as a result of this particle motion- so the question is ...what's found first the planet mass or planet motion, otherwise we have to find a new explanation for planet motion

## The Argument Conclusion <br> Particle data is created as a function of its motion

## The Argument Question

Does planet move by masses gravity forces?

This Argument is discussed deeply in my papers
From
Lorentz Length Contraction Analysis (SR Discussions) (Paper No. 187)
https://vixra.org/abs/1911.0181
To
Is There A Contradiction Between SR And GR?
(Paper No. 198)
https://vixra.org/abs/1912.0441
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## Argument No. 2 <br> Planets Order disproves The Masses Gravity Concept <br> Let's ask directly <br> How The planet orbital distance is defined? By the masse gravity forces.. <br> Let's analyze this answer .... in following....

(1)

- The inner planets order (Mercury - Venus - Earth) shows that there's some relationship between planet diameter (or mass) with their orbital distance, means Greater Diameter (Or Mass) needs Greater Orbital Distance (disproving the masses gravity concept)
(2)
- The outer planets order (Jupiter- Saturn- Uranus- Neptune - Pluto) tells that the rule is reversed where Greater Diameter needs Shorter orbital Distance .... But.... The order depends on diameter and NOT on Mass because Uranus Diameter is greater that Neptune where Neptune Mass is greater than Uranus..
(3)
- (The Conclusion) there's some relationship between the planet diameter and orbital distance but this relationship is reversed after Mars for some reason(Also The Data Direction doesn't support the relationship between the planet mass and orbital distance which disproves the sun gravity concept)

When I asked this question... the answer was because of the "Initial Points"
But I couldn't accept this answer...because

- The inner planets and outer planets orders provide 2 different forms For The Same Rule ..... So the nearest conclusion is that there's a relationship between the planet diameter and orbital distance where Mars position in the solar group order causes disturbance for this relationship.


## Note Please (a)

"Kepler thus assumed that The Volumes Of The Planets Were Proportional To Their Distances to the sun and the quantity of matter they contained to the square root of this distance, "From Eudexus to Einstein A history of Mathematical astronomy" (page 198-199) C.M. Linton - Cambridge university Press...

## Note Please (b)

"Jupiter - Saturn - Neptune - Uranus - Pluto" the outer planets are ordered by their masses, but by this same order the planets days periods are ordered from the shorter to the longest one"! the data tells that planets order still have more puzzles

## The Argument Conclusion

Particle orbital distance can't be defined based on mass gravity forces
The Argument Question
Is there really a relationship between planet diameter and orbital distance?
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## Argument No. 3

## There's A Relationship Between Planet Diameter \& Orbital Distance

Let's ask immediately, have we proof for this relationship? Let's see it in following:

## Proves

(1) The Planets Order shows a relationship between planet diameter and orbital distance (The Previous Argument No.2)
(2) Why the total solar eclipse is happened? Because we see the sun disc $=$ the moon disc, Why? because (The Sun Diameter / The Moon Diameter) =(Earth Orbital Distance / Earth Moon Distance) - Why the diameters rate $=$ the distances rate? Can that support the argument?
(3) $\mathrm{D}=\mathrm{R} \times 109^{2}$ where $\mathrm{D}=$ Planet orbital distance and $\mathrm{R}=$ Planet Diameter- this equation work perfectly with Mercury, Earth and Saturn but for the other planets still there are changes in the results - If this equation supports the claim of not - we need to analyze this equation using for all planets - specially because I claim that Mars orbital distance has changed which can easily causes disturbance for the equation (the table in appendix No. 2- Gerges Equations)
(4) The Moon Orbit Data shows a relationship between distance and diameters
a. Earth Moon Distance at Perigee point $=363000 \mathrm{~km}=$ Solar Outer Planets Diameters Total (error 1\%)
b. Earth Moon Distance at Apogee point $=406000 \mathrm{~km}=$ Solar Planets Diameters Total
c. The Distance between Perigee and Apogee $=40000 \mathrm{~km}=$ Inner Solar Planets Diameters Total = Earth Circumference.
d. Saturn Circumference $=$ Earth Moon Distance at total solar eclipse radius ( $\mathrm{r}=377000 \mathrm{~km}$ )
(5) Venus Diameter Equation shows a relationship between the distances and diameters (Gerges Equation For Venus Diameter $D=A R_{v}^{2} \Pi^{n}$ )
( $\mathrm{D}=$ planet distance to the sun or to another planet $A=$ constant $\mathrm{R}_{\mathrm{v}}=$ Venus diameter) (Venus Diameter Equation Table is found in appendix no. 2 Gerges Equations)
(6) Moon angular diameter $=0.5$ degrees but the moon diameter $=3475 \mathrm{~km}$ that means 0.5 degrees is defined for 3475 km but what about the full cycle 360 degrees - based on the rate the full cycle 360 degrees is defined for 2.5 mkm where the moon orbital circumference $=2.5 \mathrm{mkm}$ - means - the vision degree defines the moon diameter \& its orbital circumference - regardless how that's happened - we have a relationship between planet diameter \& orbital distance.

## The Argument Conclusion

There's A Relationship Between Planet Diameter \& Orbital Distance

## The Argument Question

Is the matter created with the space in the same process?
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## Argument No. 4 <br> Matter And Space are Created Complementary To Each Other. <br> A main Idea

Because the matter is created based on its motion (which is shown \& proved by Lorentz Transformations) so the space is created with the matter creation - simply they are created together complementary to each
So No Space Is Found Without Matter And No Matter Is Found Without Space
This argument supports (Diameter \& Orbital Distance Relation Argument no. 3)
The following table may show this fact

## Table No. 1

Distance $=$ Diameter $\mathbf{x}(71)^{2}$

1. 720.7 mkm (Mercury Jupiter Distance) $=(71)^{2} \times$ Jupiter Diameter
2. 1205 mkm (Mars Saturn Distance) $=(71)^{2} \times$ Saturn Diameter $\times 2$
3. 108.2 mkm (Venus Orbital Distance) $=(71)^{2} \mathrm{x}$ Venus Diameter x 2
4. 119.7 mkm (Venus Mars Distance) $=(71)^{2} \mathrm{x}$ Neptune Circumference
5. 1622.5 mkm (Uranus Neptune Distance) $=(71)^{2} \times$ Uranus Circumference $\times 2$
6. 778.6 mkm (Jupiter Orbital Distance) $=(71)^{2} \times$ Neptune Circumference
7. 78.3 mkm (Earth Mars Distance ) $\quad=(71)^{2} \times$ Mercury Circumference
8. 101 mkm (Mercury Venus orbital diameter) $=(71)^{2} \times($ Earth Circumference $) / 2$
9. $(\text { Earth moon diameter })^{2}=(71)^{2} \times$ Pluto Diameter

## Discussion

(1) The previous table supports the same data direction - so this table data should be added to the table of Equation $\left(D=R \times 109^{2}\right.$ where $\mathrm{D}=$ Planet orbital distance and $\mathrm{R}=$ Planet Diameter) and also to table of Venus Diameter Equation $\mathrm{D}=\mathrm{AR}^{2}{ }_{\mathrm{v}} \Pi^{\mathrm{n}}$ ) both are found in appendix No. 2 (Gerges Equations)
(2) If we refuse the space $\&$ matter creation dependency (and its special caseplanet diameter and orbital distance relationship) - we have to find explanation for this data - where we have a huge amount of data gives the same direction

## Note Please

$(71)^{2}=5041$ where Mercury day needs 5040 seconds to be 176 solar days regardless why these 2 values are very near - we have data is almost similar to each other - and that tells the rate $(71)^{2}$ is found in the solar group in form ( 5040 seconds) because base on this rate the matter and space are created relative to each other

## The Argument Conclusion

The matter and space are created together commentary to each other
The Argument Question
Based on planet diameter and orbital distance relationship Mars must be in the wrong point! Why?
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# Argument No. 5 <br> Mars Orbital Distance had changed from $84 \mathbf{m k m}$ to be 227.9 mkm <br> Let's tell the story in a summary <br> Mars orbital distance was 84 mkm - but Pluto was The Mercury Moon <br> Shortly - the order was as following <br> The sun then Pluto then Mercury then Mars then (Venus) then Earth .....etc 

But
Mars had immigrated from 84 mkm to dwell with orbital distance 227.9 mkm - this process was a great earthquake in the solar group so as a result Pluto who was very small planet got a great push to be the most far planet from the sun
That means
Both immigrants planets (mars and Pluto) were very near to Mercury - and Mercury effect on both even after their immigration
Have we any proof for this story (or mystery)!? Yes!
The planets data show their original positions - so Mars and Pluto data show their original places - let's see the proves in following

## Primary Proves

(1) If there's a relationship between planet diameter \& orbital distance - so Mars had to be the next planet after Mercury and before Venus - and based on that the order will be according to planets diameters.
(2) (Mars Mass / Mercury Mass) $=($ Mercury Diameter / Pluto Diameter)
(3) Earth Mass =Masses of (Mercury + Venus + Mars + the moon + Pluto) (error 1\%) Gamma rays in double production experiment can produce 2 particles (electron and positron) so we may consider Earth is a particle and the other planets together from the other particle - I don't say the inner planets are produced by double production experiment but I say that- in nature there's a method to produce 2 particle equal in masses and we have 2 equal masses and they will be equal if we add Pluto mass which may prove that Pluto was one of the inner planets.
(4) If Mars original orbital distance $=84 \mathrm{mkm}$ so mercury Mars distance $=$ Mars Venus distance $=26.1 \mathrm{mkm}$ also $84 \mathrm{mkm} \mathrm{x} \pi=227.9 \mathrm{mkm}(\pi-2)$

## The Main proof

The main proof depends on the claim- "Mercury effects on Mars Motion even after
Mars Immigration" -
Mars main importance is found because of its orbital circumference $=1433.5 \mathrm{mkm}$
$1433.5 \mathrm{mkm}=$ Saturn orbital distance $=$ Saturn Uranus distance $=$ Neptune orbital distance $/ \pi=$ Mercury Jupiter distance x 2
Regardless why these distances are equal - we have a long lift of equal distances in the solar system which depends on Saturn orbital distance $=1433.5 \mathrm{mkm}$
That makes Mars orbital circumference very specific value
But why Mars orbital circumference $=1433.5 \mathrm{mkm}=$ Saturn orbital distance?
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I claim this is Mercury effect on Mars motion
Because

## $1433.5 \mathrm{mkm}=$ Saturn orbital distance $=(\text { Saturn Diameter })^{2} / \pi^{2}$

Please take of the rate $\pi^{2}$ because it's used frequently in the solar planets data For example
Saturn diameter $=\pi^{2} x$ Venus diameter ALSO the sun diameter $=\pi^{2} \mathrm{x}$ Jupiter diameter i.e. That means - Saturn Orbital Distance Is Defined Based On Saturn Diameter What's the relationship between Mars and Saturn diameter?!
We remember that
Mercury day needs 5040 seconds to be 176 solar days
During 5040 seconds Mercury moves a distance $=2$ Saturn Diameter
During 5040 seconds Mars moves a distance $=$ Saturn Diameter
The geometrical mechanism is so hard for me - but the data tells that- Mars connects with Saturn through its diameter by which Saturn orbital distance is created
I claim that's the effect of Mercury on Mars motion

## Let's ask

If there's an effect that means they should be neighbor planets?! Yes
687 days $($ Mars orbital period $)=365.25$ days $($ earth orbital distance $) \times 1.9$

$$
\begin{aligned}
& =27.3 \text { days (the moon orbital distance) } \times 25.2 \\
& =4331 \text { days }(\text { Jupiter orbital distance) } / \pi
\end{aligned}
$$

Where 1.9 degrees = Mars orbital inclination
And 25.2 degrees $=$ Mars Axial Tilt
So, the neighbor planets effect on their motions - that means - Mars almost was a neighbor of Mercury

## Please Note

The strong relationship between Pluto and Earth support that Pluto was one of the inner planets - for example 17.4 deg (inner planets orbital inclinations total) x $0.99=$ 17.2 deg (Pluto orbital inclination) but 23.6 deg (outer Plants. Orb. Inclian. Total) x $0.99=23.4$ deg Earth axial tilt. The complete data is found in my series
Matter Creation Principle (Part I- Part V) (papers No. 134- No.138)
Note please (1)

- Mars diameter $\times 109^{2}=81 \mathrm{mkm}$ (using the equation $\mathrm{D}=\mathrm{R} \times 109^{2}$ ) - so the number 81 mkm is very near to 84 mkm
- In Gerges Equation $\left(d^{2}=4 d_{o}\left(d-d_{o}\right)\right)$ Mars \& Pluto are exceptional (the equation using is in appendix No. 2)
- $144 \mathrm{mkm} \times 71=2 \times 5092 \mathrm{mkm}=1622.7 \mathrm{mkm} \times 2 \pi$


## Note please (2)

Kepler $3^{\text {rd }}$ law table for the solar planets has a constant $=25$ and Mars axial tilt $=25.2$ degrees - I claim that Mars axial tilt is the constant in the table - regardless how that's happened - I try to show that - Mars axial tilt is so important and effective in the solar system geometry basically because of Saturn orbital distance effect - to show that clearly as possible let's provide the following
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## More Data

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

- Mercury Neptune Distance = Saturn Pluto Distance
- Mercury Saturn Distance = Neptune Pluto Distance
- Saturn Orbital Distance = Saturn Uranus Distance
= Mercury Orbital Circumference
= 2 Mercury Jupiter Distance
= Pluto Eccentricity Distance
= Uranus Neptune Circumference
- Jupiter Pluto Distance
- Earth Neptune Distance
= Mercury Saturn Circumference (Error 0.5\%)
- Jupiter Uranus Distance


## More Data

- Mercury Jupiter Distance
= Mars Orbital Distance $\mathrm{x} \pi$
- Earth Neptune Distance
- Jupiter Uranus Distance
= Mercury Saturn Distance $\mathrm{X} \pi$
= Venus Jupiter Distance $\mathrm{X} \pi$
$=$ Uranus Neptune Distance $\quad \mathrm{x} \pi$
$=$ Earth Orb. Circumference $\mathrm{x} \pi$
$=$ Saturn Orb. Distance $\quad \mathrm{x} \pi$
$=$ Earth Orb. Circumference $\quad \mathrm{x} \pi$
$\mathbf{P}^{\mathbf{2}} \boldsymbol{*} \mathbf{2 5}=\mathbf{d}^{\mathbf{3}}$ where $\mathbf{P}$ : The Planet orbital period $-\mathrm{d}:$ The Planet orbital distance
25.2 degrees $=$ Mars Axial Tilt

| Table No. 2 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Planet | $\mathrm{P}^{2}$ | $* 25$ | $=\mathrm{d}^{3}$ | 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 | $(59800)^{2}$ | $* 25$ | $(495.1)^{3}$ | $1.5 \%$ |
| Pluto | $(90588)^{2}$ | $* 25$ | $(5870)^{3}$ | $1.4 \%$ |

The rate 25 without unit because ( 25.2 degrees $/ 1$ degree) $=25.2$ from where 1 degrees it's question we have discussed before.
The Argument Conclusion
Mars orbital distance is changed through history from 84 mkm to 227.9 mkm
The Argument Question
Can the planets diameters are created based the Big Bang Theory?
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## Argument No. 6 <br> Planets can't be created based on "The Big Bang Theory"

## Planets Diameters

## Table No. 3

No Error More Than 1.5\%

| The Relationship |  | The Rate |
| :---: | :---: | :---: |
| Earth Diameter / Venus Diameter | $=$ | A |
| = Mars Diameter / Earth Radius | $=$ |  |
| Mars Diameter / Venus Radius | $=$ | $\mathrm{A}^{2}$ |
| = Venus Diameter / Moon Circumference | $=$ |  |
| = Moon Radius * П/ Mercury Diameter | = |  |
| = Pluto Circumference / Mars Diameter | $=$ |  |
| =Uranus Circumference / Jupiter Diameter | = |  |
| = lunar apogee radius /lunar perigee radius | = |  |
|  |  |  |
| Pluto Circumference / Earth Radius | = | $\mathrm{A}^{3}$ |
| = Mercury Circumference / Earth Diameter | = |  |
| = Earth Diameter / Moon Circumference | $=$ |  |
| = Uranus Radius / Mars Circumference | = |  |
| = Jupiter Diameter / Saturn Diameter | $=$ |  |
| = Saturn diameter / Uranus Diameter | $=$ |  |
|  |  |  |
| Venus Radius / Mercury Diameter | $=$ | $\mathrm{A}^{4}$ |
| = Uranus Diameter / Earth Circumference | $=$ |  |
|  |  |  |
| Uranus Diameter / Venus Circumference | $=$ | $\mathrm{A}^{5}$ |
|  |  |  |
| Jupiter Radius / Uranus Diameter | = | $A^{6}$ |
| = Mercury Diameter / Moon Diameter | = |  |
| = Mars Diameter / Mercury Diameter | = |  |

## Discussion

Planets Diameters tell that they are created relative to each - they are not created by any random process (Big Bang Theory) - on the contrary - they are created to be complementary and relative to each - for more discussion- please review

The Big Bang is a Mystery (SR Proves)
http://vixra.org/abs/1911.0312
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## The Solar Planets Mass Distribution

## I-Data

Equation No. 1
(Error 2.8\%)

$$
\frac{\text { Mercury Mass }}{\text { Neptune Mass }}=\frac{\text { Earth Mass }}{\text { Jupiter Mass }}
$$

Equation No. 2

$$
\frac{\text { Venus Mass }}{\text { Mercury Mass }}=\frac{\text { Uranus Mass }}{\text { Earth Mass }}
$$

(Error 2.8\%)

Equation No. 3
(Error 3.8\%)

$$
\frac{\text { Solar Planets Masses Total }}{\text { Satrun Mass }}=\frac{\text { Mercury Mass }}{\text { Moon Mass }}
$$

Equation No. 4
(No Error )
$(\text { Earth Mass) })^{2}=100 \times($ Venus Mass) $($ Moon Mass)
Equation No. 5
(Error 0.7\%)

Equation No. 6
$\frac{\text { Mercury Mass }}{\text { Earth Mass }} x 100=\frac{\text { Satrun Mass }}{\text { Neptune Mass }}$
(Error 0.7\%)

Equation No. 7
$\frac{\text { Neptune Mass }}{\text { Satrun Mass }} x 100=\frac{\text { Uranus Mass }}{\text { Venus Mass }}$
(Error 1\%)

Equation No. 8
$\frac{\text { Uranus Mass }}{\text { Jupiter Mass }} x 100=\frac{\text { Mercury Mass }}{\text { Moon Mass }}$
(Error 1\%)

Equation No. 9 $\frac{\text { Jupiter Mass }}{\text { Venus Mass }} x 100=\frac{\text { Satrun Mass }}{\text { Pluto Mass }}$
(Saturn Mass / Uranus Mass) x $10=($ Venus Mass $/$ Moon Mass) $($ Error $2 \%)$
Equation No. 10
(Earth Mass / Saturn Mass) x $10=($ Mars Mass $/$ Earth Mass) $\quad$ (Error $2.2 \%)$
Equation No. 11
(Mercury Mass / Mars Mass) x $10=($ Moon Mass / Pluto Mass) (Error 2.8\%)
Equation No. 12
(Uranus Mass / Neptune Mass) x $10=$ (Mars Mass / Moon Mass)(Error $3.2 \%$ )
Equation No. 13 Saturn Mass = 116.75 Venus Mass
Equation No. 14 Jupiter Mass = 3.4 Saturn Venus Mass
(Error 1.7\%)

## I-Discussion

The Masses distribution show that the planet mass is created relative to other planets masses - i.e. no mass is created independently from others'
The Argument Conclusion
The planets can't be created by the Big Bang Theory
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## Argument No. 7

## There's One Equation controls All Planets Data

## The main equation $(\mathbf{Z}=\mathbf{2 X} \mathbf{+ 1} \mathbf{Y})$

## Examples

(1)
$\frac{\text { Jupiter diameter } \quad 142984 \mathrm{~km}}{\text { Saturn diameter } \quad 120536 \mathrm{~km}}=\frac{2 \pi}{2 \pi-1}$
(2)

2 Jupiter Circumferences - 2 Saturn Circumferences = 1 Jupiter Diameter (error 1.3\%) (3) $(\text { Jupiter Diameter })^{2}+(\text { Saturn Diameter })^{2}=(0.5 \text { Saturn Circumference })^{2}(1.2 \%)$
(4)

2 Jupiter Diameters +1 Saturn Diameter $=$ Solar Planets Diameters Total (No Error) (5)

Saturn Diameter - Jupiter Radius $=$ Neptune Diameter x $0.99 \quad$ (No Error)
(6) Jupiter Energy

Jupiter energy 86400 seconds x 1.16mkm/sec x $2=28255 \mathrm{mkm}+2 \times 86400 \mathrm{mkm}$

This data is discussed in the series
Why Jupiter Diameter = $\mathbf{1 4 2 9 8 4} \mathbf{~ k m}$ ? ( $\mathbf{3}$ parts I - III) (papers No. 117-120)

## Note Please

The solar group has many basic equations - we have to discuss them with the planets motions - and so this equation is the one which can be seen before the group motion discussion - so it's just a part of argument - we should return to it later

## Argument No. 8

The Solar Group Is One Machine And Each Planet Is A Gear Of It

## The Argument Explanation \& Features

1- The Solar Group is One Building And Each Planet Is A Part Of This Same Building ....

2- The Solar group is One Trajectory of Energy And Each Planet Is A Point On This Same Energy Trajectory....

3- The Solar group is similar to the puppets theatre - one energy (thread) behind all puppets created all of them and cause their motions

4- The Solar Group Is One Machine And Each Planet Is A Gear In It...
5- The Solar Group Is A Great River And Each Planet Is A Canal of this same river

6- The solar group has One Great Job which is divided into integrated tasks for each planet has one task which should be integrated and cooperated with other planets tasks to perform the General One Great Job....
i.e.

7- Each Planet Data (Diameter- Mass- Orbital Distance -.... etc) is created to be suitable for this planet required task in the whole building and i.e. the planets data is created complementary to each other - and No Solar Planet Data Can Be Created Independently From The Others.

## The Argument Proves

A- All Previous Arguments Prove This One
B- Jupiter Energy proves that (discussed in my paper "Why Jupiter Diameter $=142984 \mathrm{~km}$ ?" https://vixra.org/abs/1907.0137"

This argument is my research basic one - so this argument will be discussed frequently in the next parts of this series 'My Research Basic Arguments"

## Argument No. 9

## The Observer Effects On The Observation Results

## The Argument Idea

## Empirical Data

## An Electron Or Subatomic Particle Behaves As A Particle And Not A Wave When It's Observed!

Why?

## Because

The Human Mind Realization Process Depends On (And Uses) The Light Velocity ( $0.3 \mathrm{mkm} / \mathrm{Sec}$ )

## How Does The Observer Effect On The Observed Particle Nature?

By Light Beam Produced By The Observer Mind Realization Process.

## The Idea Summary

This paper tells a clear claim - that -
Because our minds realization process depends on and uses the light velocity $(0.3 \mathrm{mkm} / \mathrm{sec})$ in the human thinking process that causes the light velocity to be a contributor factor of every thing around us - simply - We See The Universe Through The Light Velocity Effect On Our Vision-
That easily explains the equation $\mathrm{E}=\mathrm{mc}^{2}$ - why any Mass Energy is defined relative to the light velocity?! Because the light velocity is found in our minds- that explains Why light velocity is constant in all frames
Now
Because our minds uses the light velocity ( $0.3 \mathrm{mkm} / \mathrm{sec}$ ), that enable our minds to produce light beams by the thinking process - this produced light beam can effect on any particle nature as the sun rays effect on all particles -

## The Argument Proves

## Introduction

Let's again consider Lorentz Transformations- because it's my strong proof.
Lorentz Transformations tell us that, Particle length is contracted and its mass is increased with this particle high-velocity motion!
Also the Particle time and distance are changed because of this same motionEinstein \& his friends dealt with time and distance and give us Space-time geometry
I Interest For Particle Own Nature - as I understand - Lorentz Transformations tell that Particle Length \& Mass are changed with high velocity motion
If this contraction is a real effect on particle nature or just illusion of measurements!
This question we analyzed many times - and I concluded that it's A Real Effect
Why? Because
${ }^{\left(1^{\text {st }}\right)}$ Empirical results prove these features (length contraction- mass increasing)- and We need to protect the physical experimental measurements credibility- means we attribute any properties to any particle based on experimental results ....And
$\left(2^{\text {nd }}\right)$ We don't want to make ourselves as The Universe Reference Point.
So The questions are clear -
( $1^{\text {st }}$ Question)
Is Lorentz Length Contraction effect a real phenomenon occurred for the particle own nature or just illusions of measurements?
It's A Real Phenomenon (the same conclusion for Particle Mass Increasing)
(2 ${ }^{\text {nd }}$ Question)
Why?? why particle data is changed with this particle high velocity motion?
Let's use the following example....
Suppose 2 observers travel with light velocity - So
The First Observer Velocity $=\mathbf{0 . 3 m k m} / \mathrm{Sec}=$ The Second Observer Velocity
How does each observer see the other?
No difference in velocity between both- What does special theory of relativity tell us? The velocity is relative and no meaning for "the absolute velocity"- so we don't care for their velocities relative to ours - we care for their velocities relative to each other - no difference in velocity - Each observer will see the other as a matter (Particle)! We see both of them as light beams!
This is my idea - we have an observer travels with light velocity in our mind each light beam we see as matter - and any motion slower than light velocity we see as light beam - that means the universe is consisted of motions basically and the matter is created as a side product.
That explains why Particle data changes with high velocity motion! this particle original data is defined based on this particle ordinary motion relative to light velocity (our minds) - Now this particle travels with high velocity which changes the basic conditions - ...
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( ${ }^{\text {st }}$ Proof) The Dualism Nature
Why the Particle has 2 natures (Wave And Particle)?
Imagine we have a light velocity in our mind -so our mind works by $\mathrm{c}=0.3 \mathrm{mkm} / \mathrm{sec}$ Now
We have another motion - this motion for particle or wave we don't interestit's a motion
And this motion can be accelerated
When the motion acceleration be so high and can make this motion velocity $=$ light velocity we will see this motion as A Particle

And when the acceleration is so weak and make this motion velocity very less than light velocity - so we will see this motion as A Wave
So particle double natures are found as a result of our mind effect on the universe different motions -
We Need To See This Universe Is Consisted Of Motions Basically - We Need To See The Matter As Side Products Where The Motions Are The Basic Players

## Some Objections

(1)

Some one will tell that - there's no any empirical proof that the human mind uses light velocity specially because the electric pulses velocity in human brain and body is so slow relative to light velocity!
It's true - because light travels in liquids with velocity less than light velocity in vacuum - that means - we need only a piece of vacuum in human mind to restore this Pulses the light velocity -
(2)

Do we understand the experimental results and measurements which we have in labs? Einstein told us that we didn't understand the time and space values which we have measured for hundreds of years before him - where these values were considered absolute values, in fact they are relative - so the measurements aren't enough but need also a theoretical explanation behind

## proof) The relativistic Effects Nature

We know there are relativistic effects produced by high velocity motions- and there's light beams in every where around us - means - usually there are relativistic effects around us
The question simply is

## How does a relativistic effected system cooperate with non-relativistic system?

Special Theory of Relativity (SR) gives us some incomplete vision -particle length is contracted by this particle high velocity motion- very good - how the new contracted length will behave in the system?
We see the universe moves in perfect organization - means there's a cooperation between all factors - now there are relativistic and non relativistic dimensions - these all dimensions are cooperated with each other - how does that happen?
The relativistic effects are not -at all- strange effects for the human mind - the relativistic effects are similar to other geometrical effects- and the relativistic effected system is cooperated geometrically with the non effected system
Here the geometrical basics are produced -
That means
When we study this cooperation with enough deep we will gain 2 important results
(1) We will know which geometry can be applied for the universe motions
(2) We will have explanations for this geometry axioms - because it's NOT a human creation geometry - it's the universe geometry and each axiom is found because of its geometrical necessity
I want to say
Just the relativistic effects discovery proves that the human mind uses light velocity in thinking process -
That because
SR gives us a broken vision - 2 different frames - and SR gives us no geometrical rules how these pieces can be unified to create one system - but the one system is found already in the universe - so that - means - there's no broken here!
This is similar to the following argument -
Particle electromagnetic properties can't predict its mechanical properties - so we live in 2 different worlds - the matter world and the mind world!
It's wrong - we live in one world- how to prove? The chemical interactions prove One world - that means -Particle Electromagnetic properties MUST predict its mechanical properties otherwise we have an absent part in our book ....

## The Argument Conclusion <br> The Observer Effects On The Observation Results

## Appendix No. 1

## Physics textbooks explanations for Lorentz Length Contraction

I try to prove the contradiction between physics textbooks concerning this subject
( $1^{\text {st }}$ Reference) -Mechanics -Berkely Physics Course Volume 1
Page No. 330-331 (last Paragraph)
This is the famous Lorentz-Fitzgerald contraction of a rod moving parallel to its length with respect to the observer. One may worry at this point whether the rod has "actually contracted." Of Course Nothing Physical has happened To The Rod, but the process of measurement in the moving frame has given a different result. For a discussion of the figures of rapidly moving objects as photographed with a camera, see the excellent review by Weisskopf. It has been shown, for example, by calculation of trajectories that a moving sphere will photograph as a sphere and not as an ellipsoid.
(2 $2^{\text {nd }}$ Reference)

## University of Nebraska - Lincoln

An Introduction to the Special Theory of Relativity- Robert Katz- Page No. 36
Is the moving rod really contracted in its direction of motion? Is time really dilated?
These questions depend on what is meant by really. In physics what is real is identical with what is measured.
There is no way to assign properties to a rod or to a clock or to an electron except through measurement. In This Sense The Phenomena We Have Discussed As Time Dilation And The Lorentz Contraction Are Real.
( $3^{\text {rd }}$ Reference)
Costas Christodoulides
The Special Theory of Relativity Foundations, Theory, Verification, Applications
Page 70 - Last Paragraph
It Must Be Understood That Nothing Happens To The Rod Due To Its Motion
Which Causes Its Contraction. There is no change in its atomic structure, for example. The difference in the results of the measurements of the length in the two frames of reference may be understood if we examine the moments in time at which the measurements were made, as these are observed in the two frames of reference. In frame $\mathrm{S}^{\prime}$, the measurements at the points x 0 A and x 0 B were both performed at time $\mathrm{t}_{0}$.
The times at which the measurements were seen to be performed in frame $S$, are, respectively,
(4) ${ }^{\text {th }}$ Reference)

The Special Theory Of Relativity- Lecture Notes prepared by J D Cresser Department of Physics- Macquarie University-
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This phenomenon is known as the Lorentz-Fitzgerald contraction. It is not the consequence of some force 'squeezing' the rod, But It Is A Real Physical Phenomenon With Observable Physical Effects. Note however that someone who actually looks at this rod as it passes by will not see a shorter rod. If the time that is required for the light from each point on the rod to reach the observer's eye is taken into account, the overall effect is that of making the rod appear as if it is rotated in space
( $5^{\text {th }}$ Reference)

## Albert Einstein Book

## Relativity: the special and the general theory

Translated by robert w. lawson, University of Sheffield Introduced by nigel calder

## Page No. 49

If we now assume that the relative distances between the electrical masses constituting the electron remain unchanged during the motion of the electron (rigid connection in the sense of classical mechanics), we arrive at a law of motion of the electron which does not agree with experience. Guided by purely formal points of view, H. A. Lorentz was the first to introduce the hypothesis that the form of the electron experiences a contraction in the direction of motion in consequence of that motion, the contracted length being proportional to the expression

$$
\sqrt{1-\frac{v^{2}}{c^{2}}}
$$

This hypothesis, which is not justifiable by any electrodynamical facts, supplies us then with that particular law of motion Which has Been Confirmed With Great Precision In Recent Years.

## Appendix No. 2

(Gerges Equations) (5 Equations) (In brief)
(1) Gerges Equation For Planet Gravity

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

## (2) Gerges Equation For Planet Orbital Distance

$$
\mathrm{d}^{2}=4 \mathrm{~d}_{0}\left(\mathrm{~d}-\mathrm{d}_{\mathrm{o}}\right)
$$

$\mathrm{d}_{\mathrm{o}}=$ Previous Planet Orbital Distance
d= Planet Orbital Distance
(3) Gerges Equation For Planet Diameter And Orbital Distance Relationship $\mathrm{D}=\mathrm{R} * 109^{2}$
Where
$\mathrm{D}=$ planet orbital distance
$\mathrm{R}=$ Planet diameter
(5) Gerges Equation For Venus Diameter

$$
\frac{1}{4} C \times 4 C=C^{2}
$$

$C^{2}$ : The sun light source $1 / 4 \mathrm{C}$ : planets velocities daily total 4 C : light supposed velocity
(5) Gerges Equation For Venus Diameter
$\mathrm{D}=\mathrm{AR}_{\mathrm{v}}^{2} \Pi^{\mathrm{n}}$
$D=$ planet distance to the sun or to another planet $A=$ constant $\quad R_{v}=$ Venus diameter

# (Gerges Equations) (5 Equations) (In full details) 

## 1- Planet Gravity Equation

## Gerges Equation For Planet Gravity

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

## I- Data

| Table |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 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 | $(3.66)^{2} \times(0.073 / 5.97) \times 9.8$ | $1.6 \mathrm{~m} / \mathrm{sec}^{2}$ | $1.6 \mathrm{~m} / \mathrm{sec}^{2}$ | 0 |
| Mercury | $(2.61)^{2} \times(0.23 / 5.97) \times 9.8$ | $3.7 \mathrm{~m} / \mathrm{sec}^{2}$ | $3.7 \mathrm{~m} / \mathrm{sec}^{2}$ | 0 |
| Venus | $\left.(1.0538)^{2} \times 4.87 / 5.97\right) \times 9.8$ | $8.9 \mathrm{~m} / \mathrm{sec}^{2}$ | $8.9 \mathrm{~m} / \mathrm{sec}^{2}$ | 0 |
| Earth | 9.8 | 9.8 | 9.8 | 0 |
| Mars | $(1.878)^{2} \times(0.642 / 5.97) \times 9.8$ | $3.7 \mathrm{~m} / \mathrm{sec} 2$ | $3.7 \mathrm{~m} / \mathrm{sec} 2$ | 0 |
| Jupiter | $(0.0892)^{2} \times(1898 / 5.97) \times 9.8$ | $24.7 \mathrm{~m} / \mathrm{sec} 2$ | $23.1 \mathrm{~m} / \mathrm{sec} 2$ | 6.9\% |
| Saturn | $(0.10582)^{2} \times(568 / 5.97) \times 9.8$ | $10.44 \mathrm{~m} / \mathrm{sec} 2$ | $9 \mathrm{~m} / \mathrm{sec} 2$ | 16\% |
| Uranus | $(0.25)^{2} \times(86.8 / 5.97) \times 9.8$ | 8.9 | 8.7 | 2.3\% |
| Neptune | $(0.2575)^{2} \times(102 / 5.97) \times 9.8$ | $11.1 \mathrm{~m} / \mathrm{sec}^{2}$ | $11 \mathrm{~m} / \mathrm{sec}^{2}$ | 0.9\% |
| Pluto | $(5.337)^{2}(0.0131 / 5.97) \times 9.8$ | $0.6125 \mathrm{~m} / \mathrm{sec}^{2}$ | $0.6 \mathrm{~m} / \mathrm{sec}^{2}$ | 2\% |

II- 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 great Errors ( $6.9 \%$ and $16 \%$ respectively.... Why?)
2. I claim there are relativistic effects in the solar group and this 2 great errors are found basically because of these relativistic effects...Please review -
There Are Relativistic Effects In The Solar Group http://vixra.org/abs/1903.0565
There's A Light Beam Travels With 1.16 mkm per sec (My Claim)
http://vixra.org/abs/1904.0236
and
Solar Planet Gravity Equation http://vixra.org/abs/1808.0012
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? That may support my claim that, the sun rays is created depends on solar planets motions accumulation....
Please review
The Sun Gravity Concept is Unreal (Proves) http://vixra.org/abs/1903.0569

## 2- Planet Orbital Distance Equation Gerges Equation For Planet Orbital Distance

$$
\mathrm{d}^{2}=4 \mathrm{~d}_{\mathrm{o}}\left(\mathrm{~d}-\mathrm{d}_{\mathrm{o}}\right)
$$

Where
d= Planet Orbital Distance
There are 3 exceptions which are:

- Earth depends on Mercury
- Mars depends on Venus
$d_{0}=$ Previous Planet Orbital Distance

The equation disturbances are found only with Mars, Pluto as we expected and Earth also as a result of Mars immigration
Let's see this equation using in following 1-
Venus Orbital Distance 108.2 mkm$)^{2}=4^{*}$ Mercury Orbital Distance $57.9 \mathrm{mkm} \times 50.3 \mathrm{mkm}$ Mercury Venus distance.
(No error)
2-
$\left(\right.$ Earth Orbital Distance.149.6 mkm) ${ }^{2}=4^{*}$ Mercury Orbital Distance $57.9 \mathrm{mkm} \times 91.7 \mathrm{mkm}$
Mercury Earth distance)
(2.5\%)

3-
$(\text { Mars Orbital Distance } 227.9 \mathrm{mkm})^{2}=4^{*}$ Venus Orbital Distance $108.2 \mathrm{mkm} \times 120 \mathrm{mkm}$ Venus Mars distance)
(No error)
4-
$(\text { Ceres Orbital Distance } 415 \mathrm{mkm})^{2}=$ 4* Mars Orbital Distance $227.9 \mathrm{mkm} \times 187 \mathrm{mkm}^{*}$ Mars Ceres distance)
(No error)
5-
(Jupiter Orbital Distance 778.6 mkm$)^{2}=4^{*}$ Ceres Orbital Distance $415 \mathrm{mkm} \times 364 \mathrm{mkm}$ Ceres Jupiter distance)
(No error)
6-
(Saturn Orbital Distance 1433.5 mkm$)^{2}=4^{*}$ Jupiter Orbital Distance $778.6 \mathrm{mkm} \times 655.7$ mkm Jupiter Saturn distance)
(No error)
7-
(Uranus Orbital Distance 2872.5 mkm$)^{2}=4^{*}$ Saturn Orbital Distance $1433.5 \mathrm{mkm} \times 1439$ mkm Saturn Uranus distance)
(No error)
8-
(Neptune Orbital Distance 4495.1 mkm$)^{2}=4^{*}$ Uranus Orbital Distance 2872.5 mkm x 1622 mkm Uranus Neptune distance)
9 -
$(P l u t o ~ O r b i t a l ~ D i s t a n c e ~ 5870 \mathrm{mkm})^{2}=$ 4* $^{*}$ Uranus Orbital Distance $2872.5 \mathrm{mkm} \times 2997.5$ mkm Uranus Pluto distance)
(No error)

## 3-4-1 The Discussion

The Equation works perfectly except with Mars, Earth and Pluto .... Why?
Because I claim that Mars was nearer to the sun with orbital distance $=84$ million km and Mars had to immigrate to his new point with orbital distance 227.9 mkm - also Mars immigration pushed Pluto to immigrate - please review my paper

Mars Orbital Distance Is Changed Through History http://vixra.org/abs/1905.0510
Pluto was "The Mercury Moon" http://vixra.org/abs/1807.0331
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## 3- Solar Planet Diameter Equation

## Gerges Equation For Planet Diameter And Orbital Distance Relationship

## $\mathrm{D}=\mathrm{R} * 109^{2}$

Where $\quad \mathrm{D}=$ planet orbital distance
$\mathrm{R}=$ Planet diameter
Let's see that in following
$-109^{2} \mathrm{x}$ Mercury diameter 4879
$-109^{2} \mathrm{x}$ Venus diameter 12104
$-109^{2}$ x Moon diameter 3475
$-109^{2} x$ Earth diameter 12756
$-109^{2} \mathrm{x}$ Mars diameter 6792
$-109^{2}$ x Jupiter diameter 142984
$-109^{2}$ x Saturn diameter 120536
$-109^{2} \mathrm{x}$ Uranus diameter 51118
$-109^{2} \times$ Neptune diameter $49528 \times 2 \pi$
$-109^{2} \mathrm{x}$ Pluto diameter $2390 \mathrm{x} \pi$

$$
\begin{aligned}
& =57.9 \mathrm{mkm} \text { Mercury orbital distance } \\
& =144.9 \mathrm{mkm} \text { (Mars Displacement) } \\
& =41.4 \mathrm{mkm} \text { (Earth }- \text { Venus distance) } \\
& =149.6 \mathrm{mkm} \text { (Earth Orbital distance) } \\
& =80.5 \mathrm{mkm} \text { (Earth }- \text { Mars distance) } \\
& =1700 \mathrm{mkm} \text { (Mars -Jupiter Circumference) } \\
& =1433.5 \mathrm{mkm} \text { (Saturn Orbital Distance) } \\
& =607.5 \mathrm{mkm} \\
& =3700 \mathrm{mkm} \text { (Jupiter Neptune distance) } \\
& =89 \mathrm{mkm} \text { (Earth }- \text { Mercury distance- } 3 \% \text { error) }
\end{aligned}
$$

## 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 claim that, the Equation was consistent but the disturbance is found because of Mars immigration caused many disturbance for this equation

For more details please review
Theory of Matter Creation
http://vixra.org/abs/1812.0473
Solar Planet Diameter Creation Rule
http://vixra.org/abs/1807.0190
Is the 2737 Phenomenon a Real One?
http://vixra.org/abs/1901.0381

## 4-The Sun Rays Production Equation

## Gerges Equation For Sun Rays production

$$
\frac{1}{4} C \times 4 C=C^{2}
$$

Where

* $1 / 4$ C : The planets velocities total relative to the sun
* 4C : The High Velocity Of Light, I claim is found behind the

Solar geometrical structure

* $\mathrm{C}^{2} \quad:$ The sun light source


## The Equation Explanation

Let's summarize this equation idea in following:
The Sun Rays Energy is produce by the solar planets motions energies accumulation.
ie.
The Solar Planets Motions Energies Total Produce The Sun Rays
To do that we have 2 steps:
1- To gather the solar planets velocities daily together ( $1^{\text {st }}$ step)
2- To create a new rate of time ( 1 second of the sun time $=366$ seconds of Earth time) Let's do these 2 steps in following:

## $\left(1^{\text {st }}\right.$ Step) Planets Velocities Total

## Table No. 2

| Planet | Daily Velocity |
| :--- | :--- |
| Mercury | 4.095 mkm |
| Venus | 3.02 mkm |
| Earth | 2.58 mkm |
| Earth Moon | 2.41 mkm |
| Mars | 2.082 mkm |
| Jupiter | 1.1318 mkm |
| Saturn | 0.838 mkm |
| Uranus | 0.5875 mkm |
| Neptune | 0.4665 mkm |
| Pluto | 0.406 mkm |
| Total | $\mathbf{1 7 . 6} \mathbf{~ m k m}$ |

Why Earth Moon velocity daily $=2.41 \mathrm{mkm}$ ?
The moon has to move a distance $=$ Earth motion daily $=2.58 \mathrm{mkm}$ otherwise they will be separated from each other - but because there are relativistic effects in the solar group -this value 2.58 mkm is contracted to be 2.41 mkm - so this value is the moon real velocity after the relativistic contraction -
Let's ask how we can understand the moon daily displacement 88000 km ?
Let's try ton answer in following

## The Moon Daily Displacement:

- The moon moves a distance $=2.58 \mathrm{mkm}$ daily $=$ Earth motion distance, and that's why other don't separate from each other
But because
- There are relativistic effects in the solar group this value 2.58 mkm is contracted to be 2.41 mkm by the rate 1.0725 which we have studied frequently....
- So the moon daily motion distance in fact is shorter that Earth Daily motion distance
- So the daily displacement is found because Earth pulls the Moon this required distance 0.17 mkm to make the value 2.41 mkm equal the value 2.58 mkm
- The pulling process is done by geometrical; mechanism causes that we see only $1 / 2$ of this distance 0.17 mkm so we see the moon daily displacement $=88000 \mathrm{~km}$.
Please review
The Moon Orbit Analysis http://vixra.org/abs/1811.0422
The Moon Orbit Triangle http://vixra.org/abs/1901.0082
Why We See the Sun Disc = the Moon Disc? http://vixra.org/abs/1903.0322


## $\left(2^{\text {nd }}\right.$ Step) A new Rate of Time

This Step is build on a hypothesis that
One Day on the sun = one Year on Earth
This rate of time is produced based on the special theory of relativity concepts
For me this is mere hypothesis because I can't till now define Earth real velocity clearly (where I claim that Earth real velocity $=0.99 \mathrm{c}$ where $\mathrm{c}=$ light velocity)
Please review
Uranus Is Perpendicular on Earth Moon Orbit http://vixra.org/abs/1906.0316

## The Equation Explanation

## Gerges Equation For Sun Rays production

$$
\frac{1}{4} C \times 4 C=C^{2}
$$

Where

* $C^{2}$
: The sun light source
* 1/4 C : planets velocities daily total
* 4C : light with higher velocity ( $1.16 \mathrm{mkm} / \mathrm{sec}$ ) - please review

Direction Of Energy Through The Solar Group http://vixra.org/abs/1906.0541
There's A Light Beam Travels With 1.16 mkm per sec (My Claim)
http://vixra.org/abs/1904.0236
Special Theory Of Relativity (Questions For Discussion)
http://vixra.org/abs/1906.0008
Earth moves with light velocity relative to the sun http://vixra.org/abs/1709.0331
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## 2-5 Venus Diameter Equation

## Gerges Equation For Venus Diameter

$$
\mathrm{D}=\mathrm{AR}^{2}{ }_{\mathrm{v}} \Pi^{\mathrm{n}}
$$

Where
$\mathrm{D}=$ the planet distance to the sun or to another planet
$\mathrm{A}=$ constant $\quad \mathrm{R}_{\mathrm{v}}=$ Venus diameter
Table No. 3

| Constant | $* \Pi^{\mathbf{n}}$ |  | The distance | Error |
| :--- | :--- | :--- | :--- | :--- |
| (Venus <br> diameter) | $* \Pi^{0}$ |  | 149.6 mkm Earth orbital distance | $2 \%$ |
|  | $* \Pi$ |  | 455.8 m km Mars Orbital diameter | - |
|  | $* \Pi^{2}$ |  | 1433.5 mkm Saturn Orbital distance | - |
|  | $* \Pi^{2}$ | $/ 2$ | 720.3 mkm Mercury Jupiter distance | - |
|  | $* \Pi^{2}$ | $* 2$ | Uranus orbital distance | - |
|  | $* \Pi^{2}$ | $* 4$ | Pluto orbital distance | $1.4 \%$ |
|  | $* \Pi^{3}$ |  | Neptune orbital distance | $1.1 \%$ |
|  | $* \Pi^{-1}$ | $* 2$ | Earth Mercury distance | $2 \%$ |
|  | $* \Pi^{-2}$ | $* 4$ | Mercury orbital distance | $2.5 \%$ |
|  | $* \Pi^{-2}$ | $* 8$ | Venus Mars distance | - |

Note please : (-) means the error less than $1 \%$

## Discussion

Why Venus diameter is the same constant defining all planets orbital distances?

## Let's summarize the idea in following:

The matter and Space are created together from the same energy and for that the matter is a rate between different distances
Please review
Special Relativity Hypothesis Reason (Matter Creation Theory)
http://vixra.org/abs/1801.0343

Why The Light Is The Universe Highest Velocity? http://vixra.org/abs/1801.0369

