Theory of Matter Creation (Lorentz Length Contraction Reason) (part I)
By Gerges Francis Twadrous

2nd course student – Physics Department - Physics & Math Faculty –
Peoples' Friendship University – Moscow – Russia -2010-2013
TEL +201022532292 georgytawdrous@yandex.ru / mrwaheid@gmail.com

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Abstract
The Matter Creation Steps:

1- The Energy is found before any Matter Birth
2- The Energy is in motion (always)
3- The Energy motion creates relativistic effects (because the Energy has different velocities in her motion)
4- Lorentz Length Contraction effect causes to concentrate the Energy **(Hypothesis)**
5- The matter is created from the Energy based on **the quantum standardization**
6- The Space is Energy but has different Energy density…

Gerges Francis Tawdrous

TEL	**+201022532292**
E-mail	georgytawdrous@yandex.ru
	mrwaheid@gmail.com
LinkedIn	https://eg.linkedin.com/in/gerges-francis-86a351a1
Facebook	https://www.facebook.com/gergis.tawadrous
Academia	https://rudn.academia.edu/GergesTawadrous
My papers	http://vixra.org/author/gerges_francis_tawdrous

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

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1- Introduction

How the matter is created? This is our main question, time after time I have tried to solve and I hope our hard work isn't lost in vain ….

to solve this question we may follow the current theories and concepts or at least the general acceptable direction….but in fact it's hard to do…!

Most of the current theories deal with the solar planets creation process as a historical one, so no great interest we will get from this question answer because the actual will be the same as ever…. But the question should be answer…

I use the solar planet data analysis and have found that, the solar planet matter is a player in this planet motion and data…

Again we have the conflict between the 2 visions

- **1st The Classical Vision,** which learns us that the matter (mass) is found independently, regardless any other planet matter or motion….where the matter is the real fact in our universe

And

- **2nd My Suggested Vision**. The matter is created from the Energy… as any creature body. the body member is created by the blood flow to this member, and if the blood flow to this member is changed that will change this body member form (the Matter form will be changed)…. So if the matter has unchanged continuous form persistently, that means the energy behind this matter is working regularly and has no disturbances…

Against the wrong vision I have struggled from long time

So, How the matter is created based on my suggested vision?

I wished to answer the question in one sentence, but the wrong vision still prevents me to perform any progress…

Where the current theories consider each planet motion and data is independent from the other planets, any trying to answer our question "how the matter is created?" will be so complex process because it's unreal…..!

We need to correct the primary concepts and description firstly and by this way only we'll have hope to achieve a real progress…

There's one concept we need to know to start our process which is:

The solar group is one Energy Trajectory and each solar planet is one point on this same Trajectory of Energy…

This concept we need to keep by heart, where it may provide solutions for the unanswered historical questions in the modern astrophysics…

In following let's summarize the steps which we need to reach to the matter creation

The Matter Creation Steps:

1- The Energy is found before any Matter Birth
2- The Energy is in motion (always)
3- The Energy motion creates relativistic effects (because the Energy has different velocities in her motion)
4- Lorentz Length Contraction effect causes to concentrate the Energy **(Hypothesis)**

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

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5- The matter is created from the Energy based on **the quantum standardization**

6- The Space is Energy but has different Energy density…

The previous points details we should discuss in this paper…. Just in this introduction we need to discuss if it's possible to have relativistic effects in the solar group or not…. let's summarize that in following:

- There's a higher velocity in the solar group causes relativistic effects
- We can't observe this higher velocity but we can observe the relativistic effects on the distances and periods values in the solar group…

Specifically

- There's a velocity $v_1 = 0.99c$ (c is light velocity) and this velocity causes lorentz contraction effect with rate 7.1 or $(7.1)^2$
- The solar group geometrical structure uses this rate (7.1) in more complex process and produces the rate 1.071 (or 1.0725). this rate is found frequently in the solar planets data
- There's also another higher velocity $v_2 = 0.9999$ c and causes lorentz contraction effect with rate $=71$ or $(71)^2$

More explanation about these relativistic effects we should discuss in the paper methodology but in following I'll provide only some data shows the rate 1.0725

I – Data (Distances)

1st- $\dfrac{\text{Earth Daily Motion } 2.58 \, \text{mkm}}{\text{Moon Orbital Circumfere nce } 2.41 \, \text{mkm}} = 1.0725$ 　　　　(No Error)

2nd- $\dfrac{\text{Apogee orbital radius } (406000 \, \text{km})}{\text{Total Solar Eclipse radius } (378500 \, \text{km})} = 1.0725$ 　　　　(No Error)

3rd- $\dfrac{778.6 \, \text{mkm Juppiter Orbital Distance}}{720.3 \, \text{mkm Jupiter Mercury distance}} = 1.0725$ 　　　　(0.7%)

4th- $\dfrac{720.3 \, \text{mkm Jupiter Mercury distance}}{670 \, \text{mkm Jupiter Venus Distance}} = 1.0725$ 　　　　(No Error)

5th- $\dfrac{670 \, \text{mkm Jupiter Venus Distance}}{629 \, \text{mkm Jupiter Earth Distance}} = 1.0725$ 　　　　(0.6%)

6th- $\dfrac{\text{Jupiter Orbital Circumfere nce } (4894 \, \text{mkm})}{\text{Neptune Orbital Distance } (4495.1 \, \text{mkm})} = 1.0725$ 　　　　(Error1.5 %)

7th- $\dfrac{\text{Saturn Orbital Distance } (1433.5 \, \text{mkm})}{\text{Sarurn Venus Distance } (1325.3 \, \text{mkm})} = 1.0725$ 　　　　(Error 0.8%)

8th- $\dfrac{\text{Saturn Earth Distance } (1284 \, \text{mkm})}{\text{Sarurn Mars Distance } (1205.6 \, \text{mkm})} = 1.0725$ 　　　　(Error 0.7%)

9th- $\dfrac{\text{Uranus Orbital Distance } (2872.5 \, \text{mkm})}{\text{Uranus Mars Distance } (2644 \, \text{mkm})} = 1.0725$ 　　　　(Error 0.7%)

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

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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…

Let's use this method to explain the moon orbital motion in following:

Preface:

$$\frac{\text{Apogee Orbital Circumfere nce } (r = 0.406\,\text{mkm}) = 2.58\,\text{mkm}}{\text{Moon Orbital Circumfere nce } (r = 0.384\,\text{mkm}) = 2.41\,\text{mkm}} = 1.0725$$

Also

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

Let's explain the previous Equation firstly

28.3 degrees (Neptune axial tilt) is the main value which is contracted by lorentz length contraction effect (by the 1.0725) to produce 26.7 deg (Saturn axial tilt) which also is contracted again to produce 25.2 deg. (Mars axial tilt) and then contracted again to produce 23.4 deg. (Earth axial tilt) so these 4 values are equal but the difference is found by relativistic effects

The Moon Orbital Motion:

- The moon moves 2.58 mkm daily = Earth motion daily (otherwise they will be separated from each other)
- If there's no relativistic effects in the solar system, the moon should be seen as a bright stationary point in the sky because Earth and Moon move by the same velocity.

But

- Because of the relativistic effects this value (2.58 mkm) will be contracted with the rate 1.0725 to produce the value 2.41 mkm (as in 1st Equation)
- So the moon daily motion =2.58 mkm but this value is seen =2.41mkm (because of lorentz length contraction phenomenon)
- The difference between both = 0.17 mkm which causes **The Moon Daily Displacement** (0.17 mkm = 2 x **88000 km**)
- Why the difference 0.17 mkm = **2** x moon daily displacement 88000km? may that occur because of the motions opposite directions.

This theory can answer easily why the moon orbital circumference at apogee radius (2.58mkm) = Earth daily motion….. because this circumference express the daily motion…

Please review …" The Solar Day Production"

http://vixra.org/abs/1812.0426

or

https://www.academia.edu/s/95094e05e0/the-solar-day-production

or

https://www.slideshare.net/Gergesfrancis/the-solar-day-production

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

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3-The Moon Orbit effects On The Solar Group Matter Creation

3-1 why The Moon Orbit Effects On The Solar Group Matter Creation?

3-2 How can the moon orbit effect on the solar group matter creation?

3-3 The Solar Group Original Energy?

3-1 Why The Moon Orbit effects On The Solar Group Matter Creation?

From where this Idea can be created? How can the moon practice this great role?!

I depend on the solar planets data to conclude this conclusion….

Let's see in following:

1- Earth Moon distance at perigee radius = 0.363 mkm = Outer Planets Diameters Total
2- Earth Moon distance at apogee radius = 0.406 mkm = Solar Planets Diameters Total

i.e.

3- Distance between Perigee and apogee (space only) =Earth Circumference = **Inner Planet Diameters Total**
4- Saturn Circumference = Earth Moon distance at total solar eclipse radius

Let's see the following table to make the data as clear as possible….

Table No.1		
"The Solar Planets Diameters Total Relationship With The Moon Orbit"		
If Earth diameter = 12756 km, is considered to be **= 1**		
i.e. The Earth Circumference which = 40080 km, will be just =Π		
So The Following Is Correct		**Error**
❖ Earth Circumference	**= Π**	-
❖ Solar Inner Planets diameter total	**= Π**	-
❖ Moon motion free space (from perigee to apogee) (the free space without the moon diameter)	**= Π**	1.3%
❖ Moon Perigee orbit radius	**= 9 Π**	-
❖ Solar outer planets diameters total	**= 9 Π**	-
❖ Moon orbit apogee radius	=10 **Π**	1.2
❖ All solar planets diameters total	=10 **Π**	1
❖ **2** Jupiter diameter + Saturn diameter	=10 **Π**	-
❖ Saturn Circumference = Moon orbit radius at total solar eclipse	=9.5**Π**	-
❖ Jupiter Circumference	=11 **Π**	1.9
❖ The Sun diameter	=11 **Π²**	1.2

The Previous Data tells us there's a strong relationship between the moon orbit and the solar planets diameters….. but why and how such relationship van be found?

Gerges Francis Tawadrous/   5

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..

mrwaheid1@yahoo.com   mrwaheid@gmail.com   +201022532292

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3-2 How can the moon orbit effect on the solar planets matters creation?

Let's summarize the main idea in following:

- There relativistic effects are found in the moon orbit… this claim we have discussed deeply in my previous paper **The Solar Day Production"**

- The Energy is found before any matter creation

- The solar group is one Energy trajectory

- The trajectory of Energy is reflected inside the moon orbit (hypothesis)

- Lorentz Length Contraction effect helps to assimilate the solar group energy (great distances) inside the moon orbit (shorter distances) that means the length contraction helps to concentrate the Energy… because the Energy value is the same but is stored and into shorter distance which lead to concentrate the Energy.

- The matter is created from the Energy with Quantum Standardization, as in pair production experiment, Gamma rays 1.2 Mev can produce electron and positron but Gamma rays 1.1 Mev can't… but that means the space stored the Energy till reach the required quantum to birth the matter, and that also means, **the space has different energy density.**

This idea we should discuss in more details later …

But why this process is done in the moon orbit? Why isn't done in any other place?

Let's try to answer this question in next point…

3-3 The Solar Group Original Energy?

Why the process is done in the moon orbit… because:-
- The Moon Orbit Has Relativistic Effects And Can Tore The Energy
- The Solar group main energy is related to the human mind… which causes the relativistic effects!

The last point we have discussed before …let's review it here again…

The human knowledge

In one quantized experiment, the researcher told us that, particle is found just after he measured it! means particle wasn't found before the measurement! why?

Because before the measurement, the particle is in possibility to be particle or wave but after measurement the particle becomes known as particle…

Now let's imagine this particle is electron….

Also let's suppose that, all electrons are produced only with positrons from Gamma rays (1.2 Mev) by Anderson experiment (double production)…

What result we may reach from that?

Gerges Francis Tawadrous/   6

2nd Course student – physics Faculty – People's Friendship University – Moscow –Russia..

mrwaheid1@yahoo.com   mrwaheid@gmail.com   +201022532292

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When the researcher measures the particle and the particle is found after this measurement, where this particle is electron …. That will necessitate to conclude there's a positron in somewhere as a result of this process…

i.e.

The measurement of one particle leads to produce 2 particles because they are produced together…

Now we can see there's an effect of human mind on the matter creation process…

Where this effect is variable from one particle to another….. for the measured particle (electron) the mind effect was direct effect but for the positron the effect was indirect….

The previous example is good material to consider the human mind effect on the universe around us….

Matter Creation Process

In my theory of Matter Creation I claimed that

- Two light beams got coherence together and this coherence produced bright fringes and dark fringes ….
- **We see the bright fringes as matters** and the dark fringes as distances (space)
- This description depends on Young Experiment (Double Slit Experiment)

The previous hypothesis is my theory hypothesis….

But why we see the bright fringes as matters?

- Special theory of relativity tells us, we see the light beam because the light travels with c velocity relative to us…. If we and the light travel by the same velocity so we would see the light beam as matter (because no difference in velocity)
- In our mind there's an electromagnetic waves (travel with c velocity)…
- That means the electromagnetic waves in our mind travel by the same velocity of Light beams which causes our mind to see the light beams as matters…
- That explains the relationship between the matter and knowledge which had been discovered from very long time (ancient Greek).

This idea was discussed in my next paper..

The Observer Effect On The Observation Results (Space = Energy=mc2)
http://vixra.org/abs/1810.0343
The next question will help us to see much better..

Why the Energy has different forms?

Energy different forms are created because of the observer different positions relative to it.

Why the observer positions are different relative to the energy?

The observer position changes according to the observer knowledge and realization…

The universe is reflected from the human knowledge and logic

Please review this paper also

Why the Energy has different forms?
http://vixra.org/abs/1812.0116

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

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The Author other Papers

Earth Circumference
http://vixra.org/abs/1812.0434

The Solar Day Production
http://vixra.org/abs/1812.0426

The Moon Orbital Motion
http://vixra.org/abs/1812.0200

Pluto Velocity Analysis
http://vixra.org/abs/1812.0160

The Moon Motion is A Relativistic Motion
http://vixra.org/abs/1812.0132

Why Energy has Different Forms?
http://vixra.org/abs/1812.0116

"Neptune Data shows The Solar Group Geometry"
http://vixra.org/abs/1811.0178

Solar Planet Motion Trajectory Is A Square And Not An Ellipse
http://vixra.org/abs/1811.0135

Kepler 3rd Law Explanation (a Claim Against Nobel Prize Board Decision in Physics 2018)
http://vixra.org/abs/1810.0053

AUTHOR CURRICULUM VITAE

(https://rudn.academia.edu/GergesTawadrous/CurriculumVitae)

- Name   Gerges Francis Tawdrous

- Telephone   +201022532292 / +222550186

- Address **11 Mohamed Rageb st- Madenet El Saada - El Materiya – Cairo – Egypt**

- E-mail   georgytawdrous@yandex.ru

- LinkedIn   https://eg.linkedin.com/in/gerges-francis-86a351a1

- Facebook   https://www.facebook.com/gergis.tawadrous

- Academia   https://rudn.academia.edu/GergesTawadrous

- All my papers   http://vixra.org/author/gerges_francis_tawdrous

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

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

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