

# *A Modern Model for the Universe*

**In the name of:**

*WHO created the **Existence** on the base of Love, because HE was alone and wouldn't like loneliness. HE is the most Beautiful.*

*Therefore, HE created the Beauty and deposited the Beauty in every of HIS Creatures. HE loves all.*

Researchers continue to look for something in sky, on Earth, under the oceans etc. but I think, now is the time to consider theories as important means in which we would be able to discover many facts of the existence; especially the theories, which explain our wide knowledge about beings.

By the time I have been a teenager, many questions were coming to my mind about the existence, such as:

Why The Almighty God has created the world?

How long far the stars from us?

Why human being is created and how long has existed on Earth?

Such as many of young people, have such questions.

Then, I decided to find the answers to them. I followed this idea during my life, and after many years, became a writer on two fields: **Cosmology** and **Anthropology**.

**A modern Model for the Universe**, which includes a basic theory, is the result of my study on cosmology. [hmdshMZdeh@gmail.com](mailto:hmdshMZdeh@gmail.com)

*Next to the mystery of the existence of the soul and the afterlife, the mystery of **the shape of the universe** may be considered as the mystery of all mysteries, and most difficult to solve by scientists. **Ebrahim Victory, Cosmologist***

*He is right, but why this mystery, the most difficult to solve by scientists?*

To help answer this question is that we are living inside the universe. A child as long as lives at a home can only know the internal shape of the home. As compared with the universe, that child we are, and only the

Almighty God has authority and superiority over the universe and knows its external shape.

### **The intuitions granted by God:**

#### **Expanding shape of the universe**

We all have seen a rolled up sheet. If we look at inside of such a sheet, which has as tightly as possible rolled up and then released, which kind of a shape we can see?

The answer is **spiral. (Snail's shell shape)**

If we wish to roll up this sheet once again, what can we do?

The answer: we start rolling the central layer up, with the upper layers following the central layer, and all the layers roll upon each other.

*The mystery of the creation (Big Bang), also to put an end to it (Big Crunch), is as simple as this example.*

*Note:*

Since a day on 2012 until today (20 Sep 2016) I have had omitted below part; because I would supposed if a cosmologist read it, perhaps hesitate to continue his reading, because may consider the article, merely as a religious text. I added to the article, a preface and some attachments newly. According to them, my idea changed and added the omitted part as was before:

*The example is based on the verse no. 104 Al'Anbia, Holy Qur'an:*

**On the day when We will roll up universe like the rolling up of the scroll for writings; as We originated the first creation, (so) We shall reverse it; a promise binding on us; surely We will bring it about.**

#### **The particulars of a snail's shell**

To imagine the universe shape, we can select a **snail's shell** as 'reference body' with **seven layers** and then consider the particulars of the **universe shape** as following:

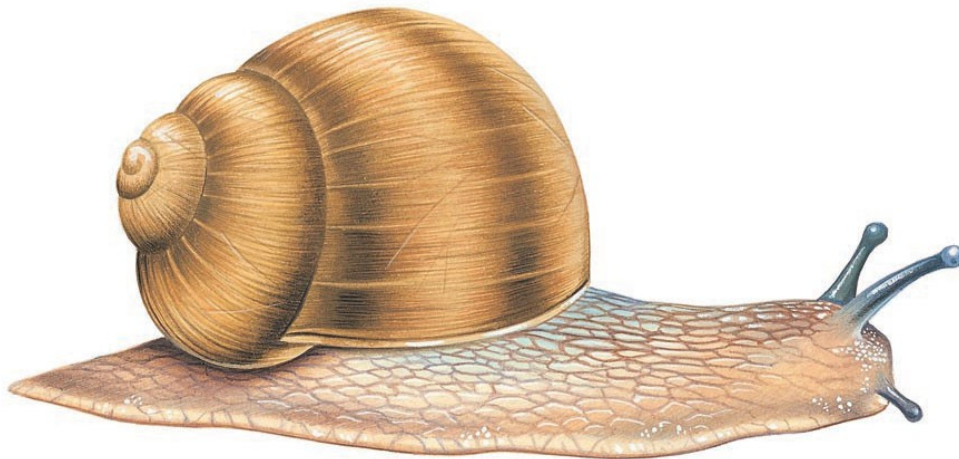
1. The major mass and gravity force of this body exist in its core.

2. Every snail's shell grows up and expands from the core.
3. The core of this body has not spontaneously created, because it needs an initial motive power.
4. The further the layers of a snail's shell away from the core, the further they expand; and get centrifugal force.
5. The expansion process of a snail's shell follows special rules; hence, it is in order perfectly.
6. Every layer has separated from another by a **rigid septum**.
7. One of the important particulars of the body with spiral shape is that it can better carry different waves including sound waves.

This explains:

- Why all instruments transmitting sound waves, such as cochlea in the ears, horn, and trumpet, is spiral - shaped.
- **Why in our modern world, various receivers and transmitters of audio-visual waves are horny shaped; or "spiral" so far as possible?**

### **The cosmic model as a spiral system**



*Maybe the Almighty God created the lovely snail dragging its cavernous and calcareous shell as a 'small and temporary home' on its soft back, to show us the shape of the universe, as a 'huge and permanent home' dragging on humanity shoulders, to creep inside, on the Big Crunch.*

*To imagine spiral shape of the universe, we can assume our spiral galaxy of Milky Way with a great black hole in its core, as the core of cosmic snail, then consider the galaxy with the **seven layers**, as the seven layers of the cosmic snail.*

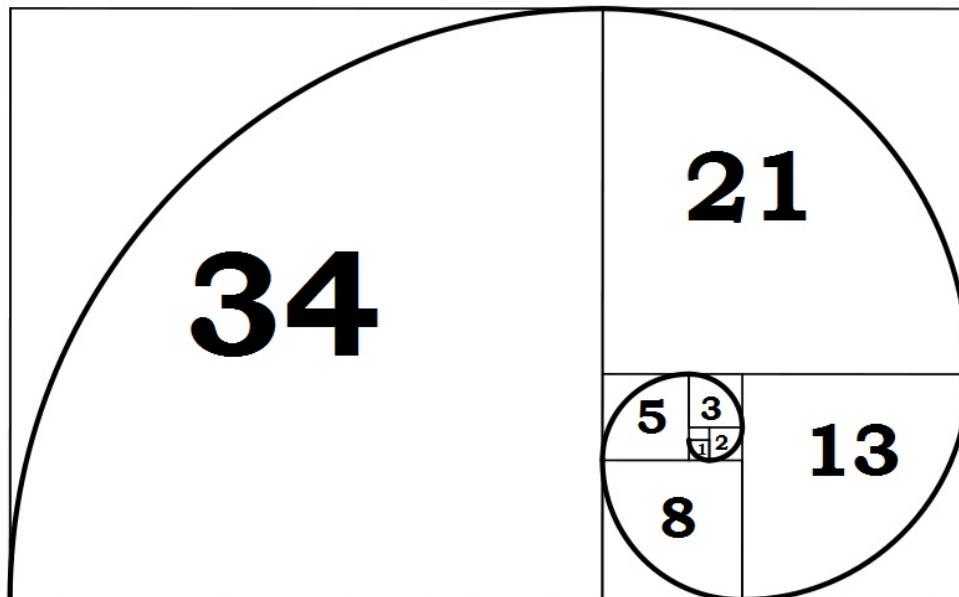


Better to imagine mentioned cosmic system with its structure and circumference, we can assume a huge transparent vitreous snail's shell, looks dark inside, with some bright spots scattered among darkness. So the further the layers away from the core, the further the bright spots, and in the last (seventh) layer, many things are bright. Meanwhile we can distinguish the septum of the layers and a blackout core in the center.



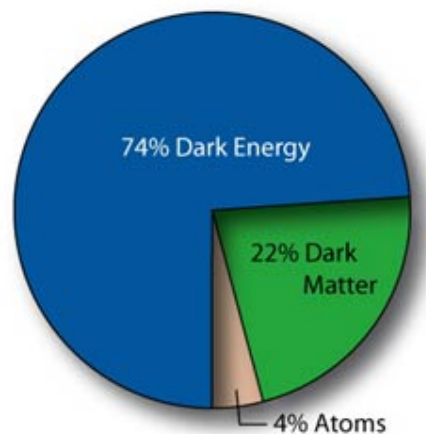
**Illumination:** Every galaxy has two or three layers and snail's shells, tree or four layers. Then it is difficult to show a visible scheme of spiral shape

with **seven layers**, because we need at least twenty meters wide space or area.



Explanation of such a system:

1. The seven layers with rigid septum form the “cosmic snail”.
2. The bright spots, form visible universe. (4% heaviness of the universe)
3. The rest of the **seven layers** so called **Dark matter**. (22%)
4. The blackout core, so called **Dark energy**, is “cosmic snail core”. (74%)



5. “Cosmic snail core” is the main feeding source for the cosmic snail, as the expansive “space time”. So, the further the layers of the cosmic snail is near the core, the further the mass and density

and slower the time. The time becomes slower because movement becomes slower by gravity, such as no time in the core and the gravity is at the most.

## Super gravitation

In attention to discoveries of the COBE and WMAP (only, until 380000 years after Big Bang is visible) and to assume the cosmic snail shape, the gravitational relationship among the Beings parts is, as following:

1. **The Visible universe:** the gravitation of the moons are attached to the planets, the planets to the stars, the stars to the galaxies, the galaxies to the galactic clusters, and them to the galactic super clusters, etc.

2. **The Dark matter:** the gravitation of the visible universe (4%) attached to the Dark matter (22%) which spread all over the cosmic snail.

3. **The Dark energy:** the Dark matter gravitation attached to the Dark energy (74%).

**Super gravitation:** the gravitation of the Dark energy attached to the Supreme Being.

Then, “super gravitation” is the Almighty God.

## Trinity cosmos (3 M universes)

In attention to above achievements, we can announce and proclaim that our interpretation of beings is that we can recognize three forms of the universes, which form the ‘cosmos’ as following:

**Main universe** (cosmic snail core) called **Dark energy (singularity universe)** with these substantive particulars:

It is the main feeding source for the ‘cosmic snail’ as the expansive “space time” with any “space time” and expansion itself. It is the “constant universe” meanwhile is not a “constant universe”.

**Its essence is quantum, and its quality is absolute light.**



It seems blackout and invisible; because of having the most mass and density, like as a huge and singular powerful black hole.

It loses some of its energy, like as every other source; but the changes are very insignificant.

**Middle universe** called **Dark matter**. Its essence is antimatter, and its quality is light and power, with these functions:

It is the coordinator and preserver between main and mini universes.

It plays the role of an active regulator with safety regulations to control the cosmic system affairs.

It is the factory of galaxy making. It takes energy over 'main universe' (input) and after a process of actions and reactions, sends them probably through wormholes to the visible universe (output). Dark energy is so much powerful, that it is actually impossible to produce directly something visible.

Reconstruction: dead stars like as black dwarf, comeback to this factory through black holes for reconstruction; because nothing spoiled in the system and all the changes are merely displacement and rearrangement of the energy, the matters, and the waves.

**Mini universe** called **visible universe (multiplicity universe)** we know relatively its specifications.

## **Scientific justification of the model:**

### 1. ISOTROPIC VIEW FOR THE UNIVERSE

1. Some years before Edwin Hubble discovery of the universe expansion, Alexander Friedman had got two simple hypothesizes on 1922:

The universe looks generally the same from any point of vantage.

No part of it is exactly is identical to any other part, still its overall makeup is the same everywhere.

2. a couple of American physicists: Arno Penzias and Robert Wilson declared on 1965, that the sounds come from outer space, before reach us, they have passed through great parts of the universe; furthermore, these waves are monotonous and homogeneous in various directions. Then they came to a good conclusion: *The Universe is "Isotropic" in greater scales.*

3. No better *isotropic shape* than spiral (snail's shell) shape, among the geometrical shapes can be found.

Then *THE UNIVERSE SHAPE IS SPIRAL.*

## 2. EINSTEIN'S GRAVITATIONAL VIEW

1. According to General Relativity Theory, the matter changes and twists the surrounding space, and contorts it out of the usual shape, then the further the mass and density of the matter in a certain field, the further its curvature.
2. The center of a snail's shell has the most mass, density and curvature.
3. According to the Doppler Effect and the achievements of the Big Bang, the center of universe should have the most density and plaits.

Then *THE UNIVERSE SHAPE IS SPIRAL.*

## 3. WAVES RETAINING VIEW FOR THE UNIVERSE

1. Arno Penzias and Robert Wilson discovered microwave background radiation, using a very large horny shaped receiver, and they declared that the universe entirely filled with this radiation; and this discovery won them the Noble Prize.



2. Had the receiver not been horny shaped, this discovery would not have been possible (since horn has a partial snail's shell shape).
3. Had the universe not been spiral shaped, it could not have retained this radiation since the Big Bang.

Then *THE UNIVERSE SHAPE IS SPIRAL.*

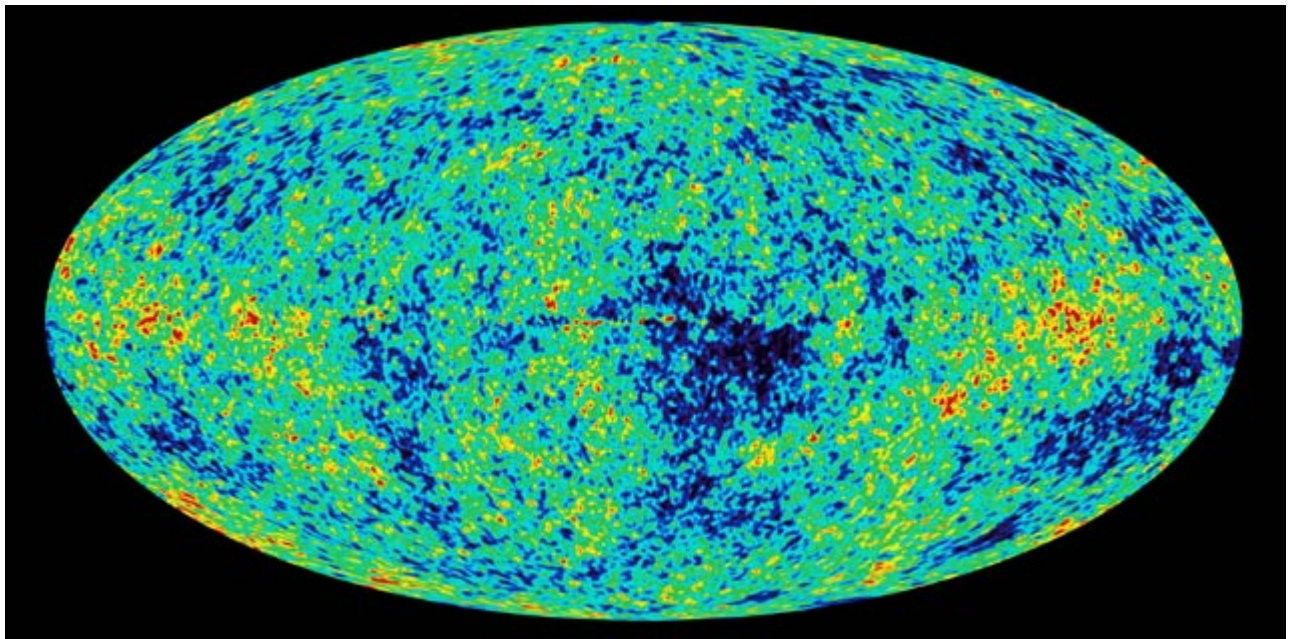


## Efficiencies of the model:

1. Proving the existence of enough energy in the main universe, to justify the Big Crunch and to believe the universe has purposefully created. Deliver a valuable idea in this case by NASA / WMAP Science Team:

The cosmic microwave background (CMB) is leftover radiation from the Big Bang stretched by the universe's expansion into the microwave region of the spectrum. In this image, NASA's Wilkinson Microwave Anisotropy Probe (WMAP) records minuscule temperature fluctuations in the CMB as different colors.

**In principle, an advanced civilization could create a universe and encode information in the CMB that would let civilizations in the offspring universe, know that their universe has purposefully created.**



2. Substantiation the Einstein view about cosmic curvature and refuting the devious ideas has expressed by some cosmologists in this field.

3. Correction of the Hubble Law

Hubble said:

*The further a galaxy away from **the earth**, the greater its velocity of escape.*

He declared this view, because he had not known the shape of the universe; otherwise, he would have said: *The further a galaxy away from main universe, the greater its velocity of escape.*

#### 4. Correction of the Hawking view about the universe shape

Prof. Hawking has written a book and titled **The Universe in a Nut's shell**. He chose such a title, because he had not known the shape of the cosmos; otherwise, he would have titled his book: **The Universe in a Snail's shell**; but his idea about hardness of the universe's shell as a nut's shell or snail's shell, is admirable.

5. Resolving many problems in the cosmological fields for example, scientific struggle between Harlow Shapley and Herbert D. Curtis in 1920. Then, Hubble explanation in this field maybe rejected.

In attention to “the further the layers of the cosmic snail near the core, the further the mass and density, and slower the time” and assume hardness of the cosmic snail septum, many of the distance measures according to the Hubble constant measurements, maybe needed to revise.

It seems our theory will call the Hubble Law defenders to challenge. Because another problem with estimating the size of the universe, is curvature of space-time as we believe in spiral shape for the universe also held by the general theory of relativity. This curvature also would affect measurements of distance based on the passage of light through space from objects.

6. Rejection the idea of colliding and merge the closing galaxies. Galaxies move in the layers of cosmic snail with **rigid septum**; and the layers are upon each other. The cosmologists suppose all the closing galaxies will collide and merge in together, but at least while two galaxies are in the separate layers, is not so, however near they may be. This viewpoint will solve many of the problems in cosmology field.

7. Refining the views of cosmologists about the problems which may occur in the future or even nowadays; for example, COBE achievements:

The maximum frequency of the radiation intensity is different in a special direction rather than others; in other words, we can find a superior direction in the space; WMAP confirmed this viewpoint in May 2005 too.

None of the existing scientific theories can explain this problem; meanwhile, only belief in the cosmic snail and its powerful core (main universe) justify such special direction.

#### 8. Consideration how the aphelion and perihelion have created:

Perhaps nobody has yet answered this question, why the sun (or any other star or even planet) has not settled in the center of its elliptical orbit, therefore, the aphelion and perihelion, should have be created?

The answer: it is because of the cosmic spiral shape. In the cosmic snail, the “velocity of escape” is greater than “core’s gravitational attraction”; therefore, the aphelion and perihelion should have created. This also explain how the orbits of the planets and stars, are elliptical.

9. Meanwhile, we also shall find the answers of many of the questions; for example, why according to Kepler’s second law, the orbital velocity is variable; and the planets have retrograde motion?

The answers are also concealed in the cosmic snail, and because the velocity of escape, is greater than core’s gravitational attraction.

10. This theory can help us to reach the targets of establishment the Large Hadron collider too.

#### **Are cosmologists searching out a Final Theory?**

It seems this theory would be able unsettlingly to solve all cosmological problems, therefore we can ask:

*Maybe this theory, replace the Theory of Everything, which guides us to a Final Theory?*

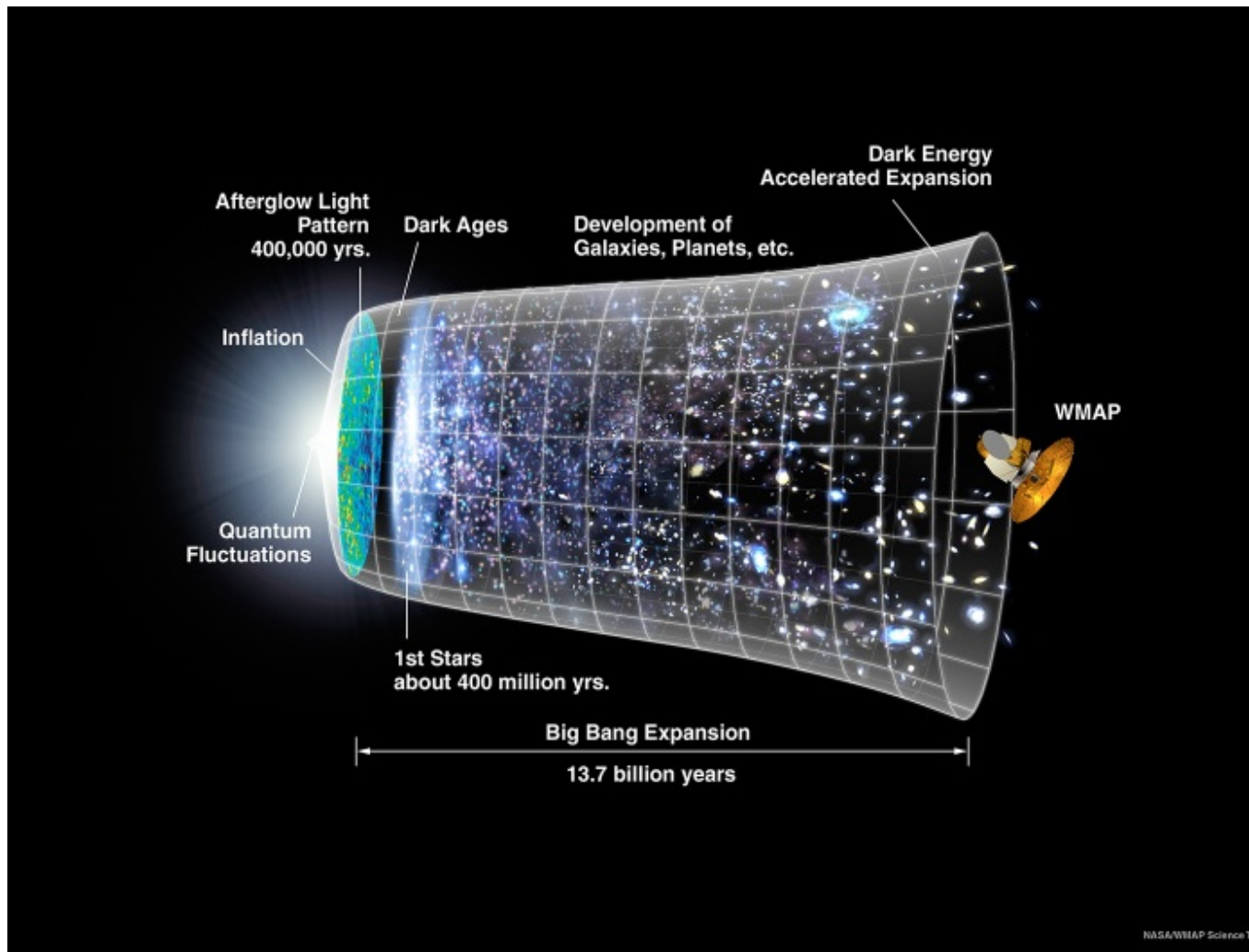
For accession to a Final Theory in the future, we must accept this theory at first; because it seems impossible otherwise.

#### STEPHEN HAWKING:

"Huge questions remain to be answered before we can hope to have a complete picture of the universe we live in. I want you to share my excitement at the discoveries, past and present, which have revolutionized the way we think. From the Big Bang to black holes, from dark matter to a possible Big Crunch, our image of the universe today is full of strange sounding ideas, and remarkable

truths. The story of how we arrived at this picture is the story of learning to understand what we see."

[Question: is really shape of the universe so, that cosmologists suppose as following for example?](#)



Princeton University theorist [Paul Steinhardt](#), who helped pioneer inflation in the early 1980s, calls the WMAP result "a milestone achievement." He says theorists have spent years developing more exotic types of inflation models that require new fields or fine-tuning mechanisms. "This milestone means that many of these exotic ideas are out the window, which cleans up the field a lot," he says. But he also points out that the new WMAP results are consistent with another idea that he helped develop: that our universe occasionally collides with another universe in higher-dimensional space-time, leading to endlessly repeating cycles of Big Bangs and expansion. WMAP team members agree that this cyclic model is consistent with their results, and that a next-generation satellite is needed to determine which model, if either, explains our universe.

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# **Attachments**

## **April 2016**

### **1. The forerunner of the really shape of the Universe**

By the time I wrote the Persian text of **A Modern Model for the Universe**, fifteen years ago (2001), I was thinking that a day would come in which cosmologists will reach my theory about the shape of the Universe, and it would have been confirmed. Recently, I have found an article in the web and considered it as the forerunner of my idea. Now you can see a brief of the article as following:

#### **Is space-time shaped like a SPIRAL?**

**Universe has a 'golden ratio' that keeps everything in order, researchers claim**

- **South African researchers say the universe is governed by a 'golden ratio'.**
- **They say space-time itself is defined by this mathematical constant.**
- **The ratio (1.618) is found across nature in plants, hurricanes and more.**
- **But the researchers say it is also ever-present in the universe.**
- **This means it might make up space-time itself.**

By [Jonathan O'Callaghan for MailOnline](#)

Published: 13:49 GMT, & Updated: 14:27 GMT, 5 December 2014

A cosmic constant known as the 'golden ratio' is said to be found in the shape of hurricanes, elephant tusks and even in galaxies.

Now researchers say this ratio is also seen in the topology of space-time, affecting the entire universe as a whole.

And they say this number can be used to link everything in the universe together, from space-time to chemistry to biology.



South African researchers have claimed that the universe is governed by a 'golden ratio'. They say space-time itself is defined by this mathematical constant. The ratio - 1.618 - is found across nature in plants, hurricanes and more (shown). But the researchers say it is also ever-present in the universe. The research was carried out by Dr. Jan Boeyens at the University of Pretoria and Dr. Francis Thackeray of the University of the Witwatersrand in South Africa.

They say the golden ratio - 1.618 - can be seen 'related not only to aspects of mathematics but also to physics, chemistry, biology and the topology of space-time, and it may dictate how certain things in the universe take shape.

Read more: <http://www.dailymail.co.uk/sciencetech/article-2862243/Is-space-time-shaped-like-SPIRAL-Universe-golden-ratio-keeps-order-researchers-claim.html#ixzz44ekEkuyz>

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2. The link of 'A Modern Model for the Universe' in 'wikibooks.org':

<https://en.wikibooks.org/wiki/User:Hmdshmzdeh>

This page was last modified on 30 October 2012, at 12:46.

3. **A very nice video in Youtube, on this case:**  
<https://www.youtube.com/watch?v=Pp6D-xhJr4A>

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