

Theory of Contraction

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Abstract

The world we live in is the home for many species like tiger, humans, birds etc and is filled with beauty of nature , but can you imagine how al that started , you might have read about the earth as a fire ball. Earth was once a fire ball and then it cooled to such beauty. Similar case comes with our universe, it is expanding continuously but can we imagine how our universe formed? The answer to question is “The Theory of contraction”.

Key words: Big bang theory, Black hole concept, Expansion of universe, cooling of universe, Theory of Contraction

Introduction

Scientists are trying to investigate the truth behind everything we see around us i.e. the universe. There are many concepts and theories arriving since 19th century. But each of them have few drawbacks, but we have one theory which is most favored and name of that theory is “The big bang theory”. This theory was proposed by the Eviedmann, walker and group in year 1929. Since then it assumed to be the most positive theory phenomenon. But the black hole, universe expansion cannot be explained using this theory it is due at that time these phenomenon of black hole and universe expansion were not theatered. But using theory of contraction we can investigate a lot of important data in context of universal phenomenon like black hole, universe expansion, its cooling cycle and how it emerged.



Fig 1: Stephen Hawkins

Black hole: Immense amount of density and gravity. No effect of time in it or lesser time effect in its nearby areas. Formed when a huge star millions time larger than our sun gets compress to few cm size. It swallows everything even light which has such a large speed. So can explain that universe has very less time boundancy when it is compressed in a

black hole. Super massive black hole at the centre of milky way with density 1 cr. times more than our sun. first black hole seen in year 1972 – cignus X1. Black hole only swallows the matter coming in its field of gravity.

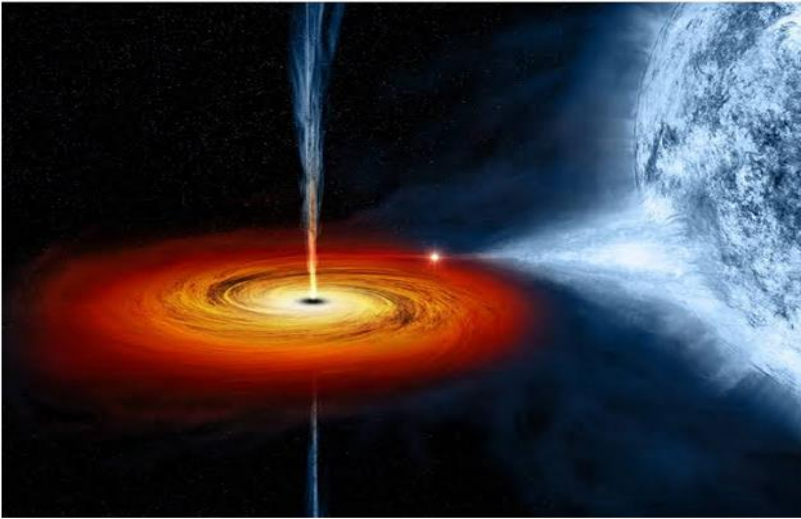


Fig. 2: Black hole

Theory of Contraction

Big bang theory states that our universe emerged as a result of bursting of particle called god particle. This theory says that our universe came out like “A lot of things from nothing” but it’s not possible to make a thing from nothing.

All the theories so far have agreed upon three steps –

- Universe arrived from a tiny particle.
- Once universe was very hotter and later it cooled down as the expansion took place.
- The universe is expanding as the galaxies are seen moving apart from each other.



Fig. 3: The Original Picture of Black Hole

The experimental proof of big bang theory was tested in a “hydron collider “ by USA agency , US spent \$19,285 million and that’s more than India’s decades of space research budget.

According to my theory : “The theory of contraction”. Universe always existed and is just repeating the 3 steps cycle over a large period of time interval in terms of billions of years.

The three steps are namely –

- A. Contraction
- B. Explosion
- C. Recreation

Contraction: It is the very first step of contraction cycle. We all are now familiar with black hole. Black hole absorbs energy or can say in simple words here is no outgoing phenomenon in black hole it only has incoming ways. In contraction phase the matter present in universe gets contracted in the black hole. It may take billions of years. This process can be imagined as filling of air inside the balloon, as we blow air inside the balloon the density of air inner side the balloon increases continuously. When black hole swallows the matter it is placed somewhere in the black phase. This can be seen as a computer stores character inputted at a particular location inside it. As more and more matter goes inside the black hole the density goes on increasing and the most important phenomenon is that the time really stops for the matter swallowed by the dark monster.

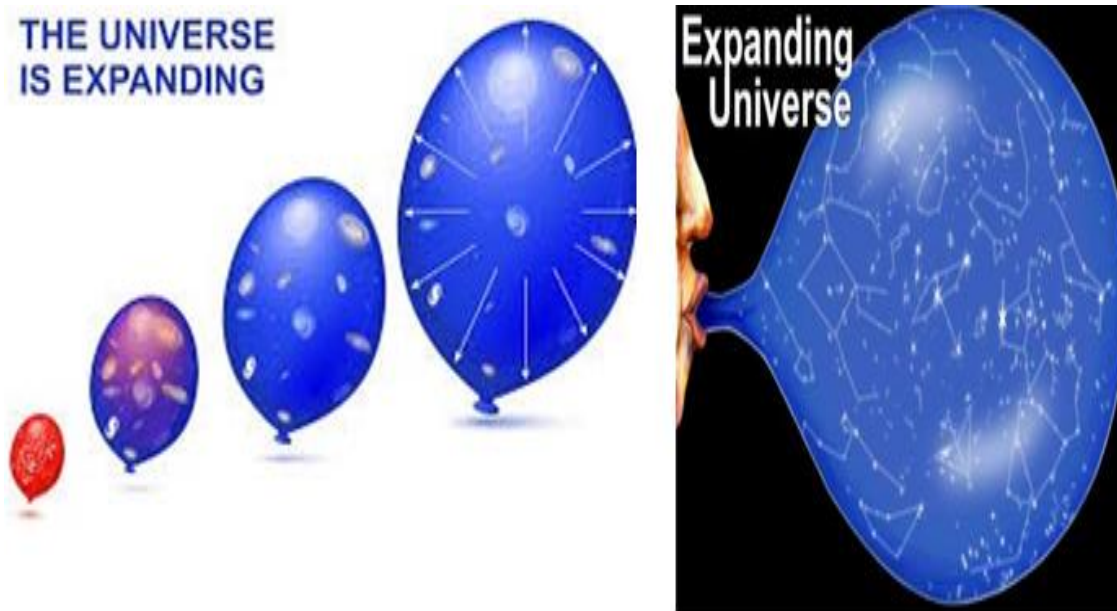


Fig 4: Contraction

Explosion: Explosion is the second step of the contraction theory. When black hole swallows the matters, the density increases continuously and when this density reaches at peak level the black hole burst out all the matter it swallowed. The important thing in this step is that this evolved matter is extremely hot. This can be explained by the balloon example again when the density of air filled inside the balloon is specifically higher it burst out and the gas coming outside is hotter than the one filled in the balloon. This step is responsible for the expansion of our universe. Expansion takes place

because when the matter is evolved out it is with a great force and this force makes the matter gain the velocity which separates galaxies from our galaxy. The matter is evolved in form of energy.



Fig 5: Explosion

A. Recreation: This is the final step of the cycle of contraction theory. This step is equally crucial as the other two. It is the one which results in creation of the world we are living in, the world we see. After the explosion of matters inside the black hole the whole matter evolved out with great force resulting in the expansion of universe which is separating all the galaxies from each other. In recreation step the universe having highly hot matter begin to form again, galaxies are formed again, solar systems are gathered again. The cooling of the universe result in such formation. The matter evolved by black hole is in form of energy and this energy is capable of reconstructing a new universe. It takes billions of year in the recreation process as there is emended energy to be cooled and to be converted to matter hence it is obvious to take multibillion years.

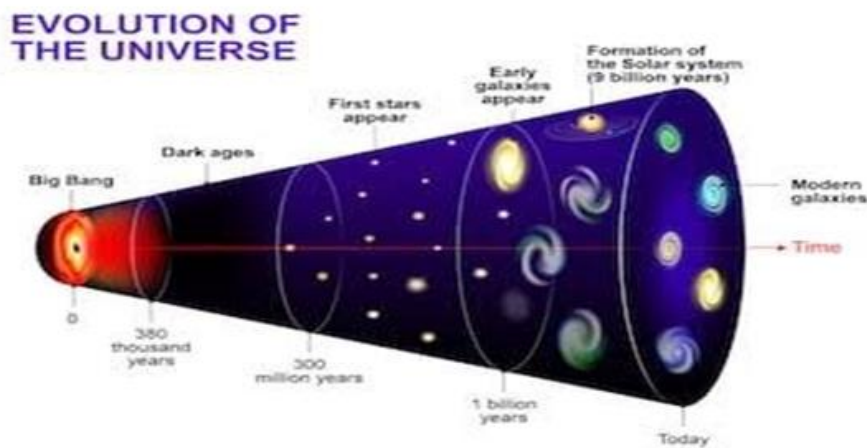


Fig 6: Recreation

Mathematical Steps

1. In very first step we will integrate the whole energy inside the universe. The limits we use to integrate are:
Energy equation in terms of time = $E(t)$

$$T_1 = 0$$

$$T_2 = \text{present age} = 13.787 \pm 0.020 \text{ billion year}$$

$$C = \int_{T_1}^{T_2} E(t) dt$$

2. The whole energy of the universe is the capacity of black hole. From the capacity of black hole we can calculate the approximate time of merging of the energy of universe in the black hole.

$$T = C/C' \quad (C' = \text{average rate of energy merging in black hole})$$

T = time of merging of entire energy of universe in black hole.

3. When the whole matter is swallowed by black hole there will be only black hole and in black hole there is no time motion. So the duration of hold is zero.
4. So can say just after the merging of universal energy in black hole, it will burst out and it will be burst out time.
5. Burst out time will be the time of creation of new universe from present time.

Conclusion

Using the theory of contraction we can calculate the time of formation of new universe from now.

Theory of contraction reveals a lot of unsolved mysteries of space. The contraction theory is of 3 steps:

1. Contraction- The step of contraction of universe into the black hole. It swallowed universe within few billion years.
2. Explosion- The step of explosion states that the explosion take place in a black hole and whole matter is evolved in form of energy.
3. Recreation- The universe is recreated again and begins to form again the galaxies, solar system again with cooling.

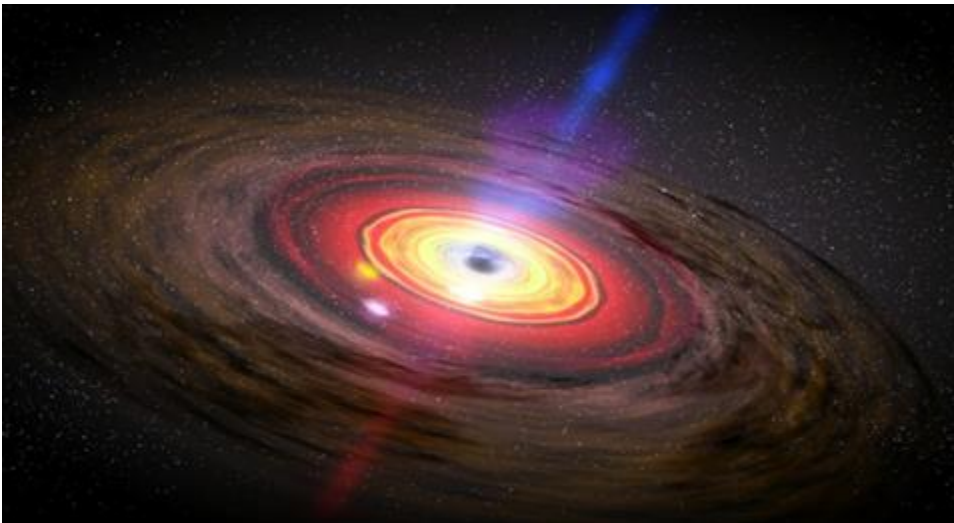


Fig 7: The Universe

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