

# Shape of Our Universe

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DOI: 10.29322/IJSRP.9.01.2019.p8571

<http://dx.doi.org/10.29322/IJSRP.9.01.2019.p8571>

**Abstract-** This work is basically about the shape of our universe . It has always been questioned that what is the shape of our universe . There are different theories related to this question but none is satisfactory . Possibly our universe is ring shaped with non uniform thickness and this configuration explains various important phenomenon's like big bang , expansion , big crunch etc. Using this configuration we can solve mysteries of our universe and we can get answers to some questions .

**Index Terms-** Big bang , big crunch , expansion , configuration , universe , ring shaped .

## I. INTRODUCTION

The word universe is a big mystery for the scientists . Our scientists are still continuously researching on our universe . As the time is passing slowly – slowly we are exploring it . Our research on universe was started from very early civilization . But some have contributed more to it like sir Galileo Galilee , Isaac Newton , Albert Einstein , Stephen Hawking's and many more . Their work is tremendous in field of physics . They have solved some great mysteries of our universe like newton's gravity , Einstein general theory of relativity . There are so many questions today also whose answers we are unable to find . One of the most curious , difficult and interesting question about our universe is that “ what is the shape of our universe “

This is a difficult one and there are so many reasons for it :

- We live in a three dimensional world and we can assume , observe or feel 3 dimensional objects or 3 dimensional quantities only . Possibly our universe is having some higher dimensions in which our universe is holded . And we are sensitive to only 3 dimensions .
- Physically we are not able to travel much distance in our universe . We have travelled only 12 billion km distance from our earth which mean that we are not able only to get out of our solar system . And our universe is possibly

$10^{26}$  times larger than our solar system ( observable universe ) . It will take thousandth of billion light years to travel this distance and till then we may not alive.

- Till date we have not yet become an intelligent life . There are some energies we are not able to detect which govern our universe .
- Our strongest telescope in space which is Hubble telescope is not able to see and capture farther than 14 billion light years from us . James web telescope will be a good alternative of Hubble telescope and can solve many mysteries of our universe .

But these limitations cannot restrict our brain to think and imagine about our universe

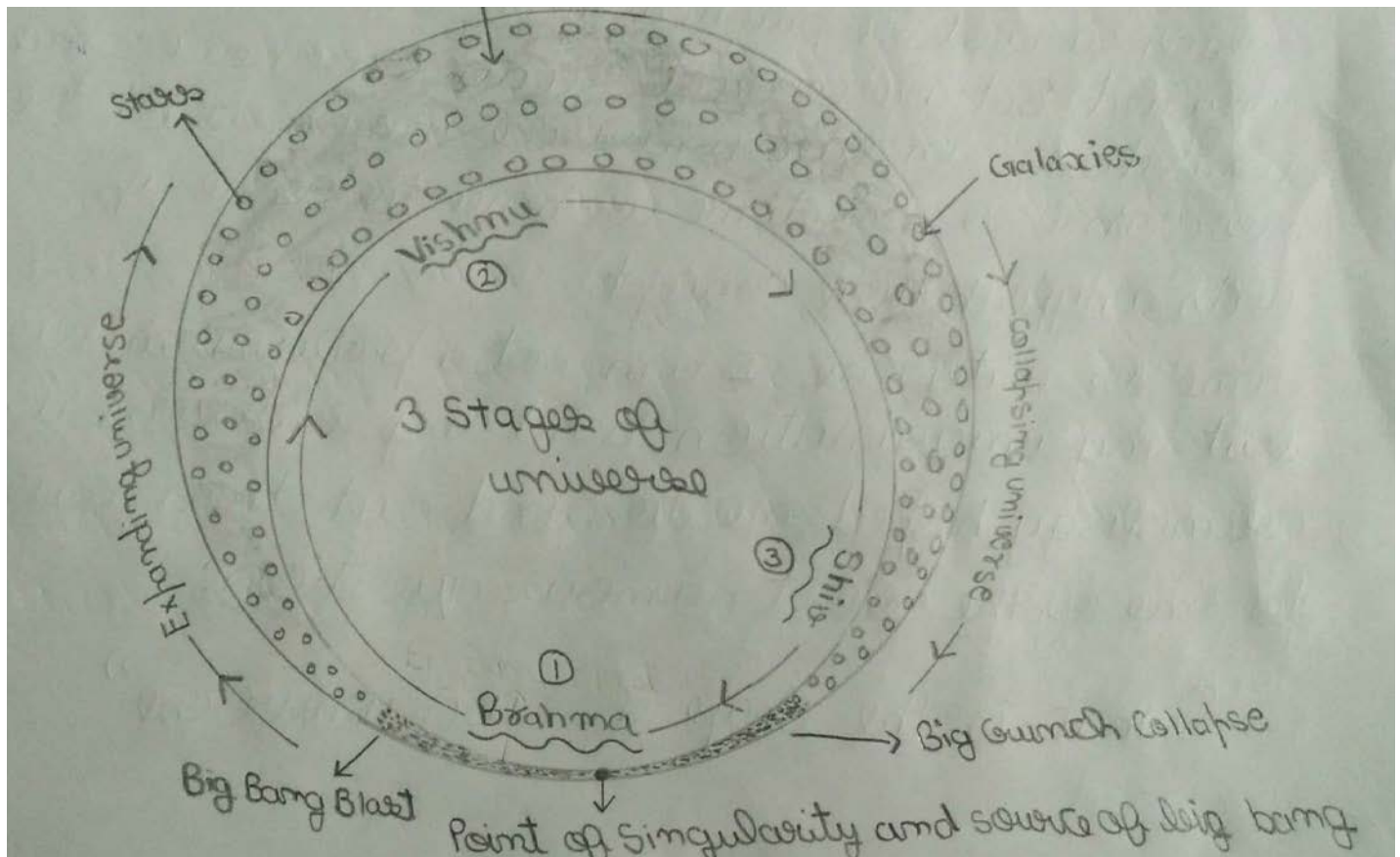
There are many theories which are result of imagination and thought experiments . Like general theory of relativity was a result of imagination and thought experiments of Albert Einstein . We can accept a theory if it explains certain phenomenon and observations . Because there are some mysteries which cannot be practically verified . But are correct because we have some limitations in our universe . So , sometime we have to come up with a theoretical concept .

Same is with this theory . It cannot be practically verified in present date but it explains certain phenomenon's and can give answer to this question that...

“ what is the shape of our universe “?

## II. RESEARCH WORK

According to many scientists our universe is a bubble shaped or spherical shaped . Recently , Stephen Hawking's said that there are thousands of universe and they are bubble shaped . But actually spherical shape of our universe does not explain every phenomenon like big bang , big crunch , expanding of our universe , motion of our galaxies and the recreation of universe . So , in my point of view , our universe is not spherical but ring shaped with a non uniform thickness as show below :



This configuration is a result of my imagination and my imagination is based on certain phenomenon's of our modern science as well as Hindu Vedic physics which was written thousands of years ago. I have concluded this configuration by merging both modern physics and Vedic physics . I appreciate both of them for their work .

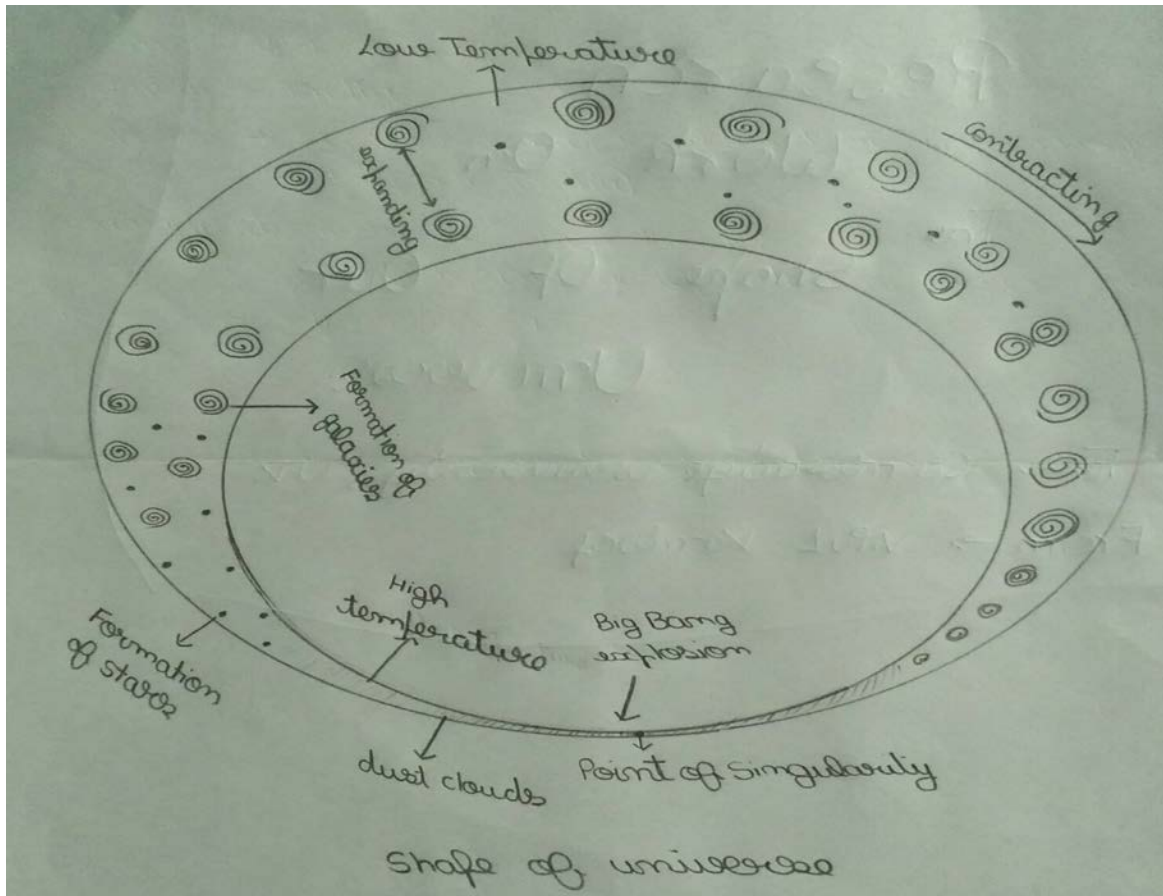
Now , I will prove this configuration by certain phenomenon's :

- ❖ **BIG BANG** : According to our scientists , our universe began with a blast from a point of singularity where all matter was concentrated . Suddenly , a blast happened and our universe was created with a bulk of energy and gases with some dust matter . So , our universe geometry be something like that it must have a point which should have very small cross sectional area nearly about an small ball where all matter was concentrated at a particular point . And this configuration has that point with a very small cross section area.
- ❖ **EXPANDING UNIVERSE** : Our astronomers in 90's observed that our universe is expanding by studying the distances between two galaxies . It was observed that the galaxies are moving far apart from each other . So , our universe must have a geometry like this which enables the matter to move apart from one another . And this configuration has that stage . It's area increase continuously from point of singularity .

- ❖ **TEMPERATURE** : Scientists say that at the time of beginning of our universe or we can say at the time of big bang , there was a lot temperature in trillion and trillion degrees because a lot of energy , matter and gases were concentrated at a small point but as the universe was and is expanding , the temperature began to cool down and it's very cold in outer space today . This is possible only when cross section area increases . And this configuration shows that the area is increasing after blast .
- ❖ **BIG CRUNCH** : Many scientists including many reputed scientists believe that after billions and trillions of years , our universe will again start contracting and collapsing and will again result in a point of singularity . This is possible only when cross section area stars decreasing after a certain period of expansion , and this configuration include that part .
- ❖ **VEDIC THEORY OF RECREATION** : According to our Hindu Vedas , a universe is created and destroyed and then same universe is again created by a energy named as Brahma . That universe consist of same energy and matter as previously destroyed universe consist . Again same incidents take place as taken in previously destroyed universe . From this we can conclude that boundary of our universe remain same which is made of higher dimension , only matter and time explodes , expands and gain contract and again explodes in the form

of big bang . Time is same at every point in the universe and is situated in the form of frames . It is a just a process of recycling of matter and energy again and again . It

means that boundary of our universe is made of higher dimension only matter and energy rotates inside . And the universe destroyed is recreated in the same media .



### III. CONCLUSION

At last we can conclude that the possible shape of our universe is not like bubble or spherical but a ring shaped like structure which has a non uniform thickness which is narrower at one end and thicker at the other . It is like a close loop in which certain phenomenon's occur like big bang , big crunch , expansion and contractor again and again . When a universe is crunched up , a new universe is formed from the same matter and energy of the previous crunched up universe . It means that formation and crunching of universe is a continous process .

### ACKNOWLEDGEMENT

I would like to thank my physics teacher Dr. PARVINDER sir for his help and contribution towards my

research and my guardians Miss ANUPAMA and Miss DEEPSHIKHA .

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