

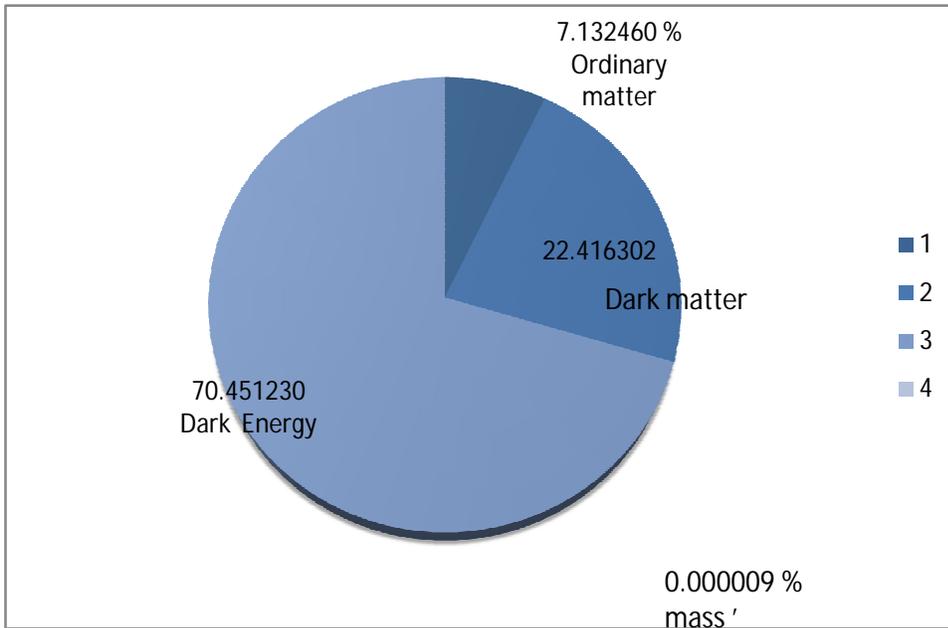
**FRACTAL CONSTITUTION OF OUR 11 DIMENSIONAL M-BRANE UNIVERSE  
COSMOLOGICAL APPLICATION OF BRANES IN M-THEORY**

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**Abstract**

*Having worked M-Theory on a circle ,a Systems theory approach is taken, looking at phenomena from the universe in the pure Universal mathematical ratio derived when solving for the Dual M-Brane in M-Theory.The M-Brane is the fundamental Brane at the heart of the entire universe.*

**FRACTIONAL COMPOSITION OF THE M-BRANE UNIVERSE IN M-THEORY**



Ordinary matter=7.13240%  
Dark matter=22.416302 %  
Dark energy=70.451230 %  
'Missing mass'=0.000009 %

Cold Dark matter and Cold Dark energy are Exotic forms of matter and energy that most likely make up the Cosmological Constant.

The universe in M-THEORY IS thus 99.999991 % matter (indigenous and exotic) and has a 'Missing mass' attributed to String Tension 0.0000091 %. So far cosmology has revealed the Physical(observed) universe to be made up of 99.98% Hydrogen and the of Other elements to be less than 0.01%,Enhanced precision in instruments will bring us as much as possible to this Pure ratio derived from M-theory the most Fundamental 21<sup>st</sup> century physics possible, understanding of the universe.

