

FUNDAMENTAL IMPLICATIONS OF MBRANE COSMOLOGY AND THE COSMIC BACKGROUND RADIATION.

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ABSTRACT

The cosmic microwave Background radiation provides us with information about the 'early' universe. In MBrane Cosmology, the universe is taken as a Dual space wherein, the Mbrane oscillates at Super high velocities at a Pure lower critical Quantum Temperature limit of $0^{\circ}K$ in one of the two Brane and an upper Limit of $3^{\circ}K$ in the other. Being a 2Brane, Wave energy is continuously oscillating perpetually in the Fundamental Dual space., just within the set Temperature limit, accounting for the Radiation in the Cosmic Background. This leads to a Solution without Cosmic Monopoles or Domain walls as it is in a self oscillatory Dual space with Energy and matter cycling between One state of these superposed Mbranes.

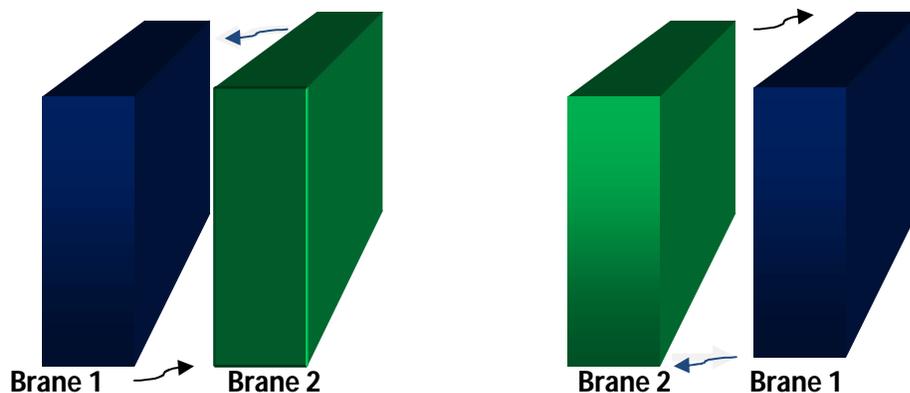
The picture of the 'early' universe in the Mbrane universe.

Mbrane universe posits an 'early' Dual Temperature limit between $0^{\circ}K$, being in either of the 2 Mbrane states.

The picture of the 'present' universe in the Mbrane universe

Mbrane universe posits an 'Present' Temperature limit between $3^{\circ}K$, being later in either of the 2 Mbrane states..This is the energy lost by the Initial Brane to this other brane.This is further 'cooled' by the other Brane as they are in a dual space.

MBrane universe presents a cyclic Universe model at the simplest Mathematical and logical level. Note that in Cosmology, The Dual space I derived earlier on in the paper. -Solving the mbrane universe in Mtheory.In Cosmology these dual space take the form of branes herein.Under this constraints the Universe may prove to be timeless.(Unaffected by our nascent view)



ENERGY CYCLING AND RECYCLING BETWEEN THE MBRANES,VIRTUAL MID AREA FORMS THE CMBR