

**MAN AND THE UNIVERSE
THE ANTHROPIC PRINCIPLE – THE RELATIVITY OF M-THEORY.
IS THE M IN M-THEORY JUST 42?**

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ABSTRACT

M-Theory is the most sure outright TOE (Theory of Everything) conjured by modern physics to completely describe the universe. Cosmology is an ancient art that man used to try to understand the universe and his place in it, reason then led to an anthropocentric universe model. A TOE of the universe precludes and does not exclude man, in its foray. M-theory a typical TOE too when confronted must secrete a rat of such nature, the ancients had conjured. For a truly fundamental theory of the universe to portray reality it must display the anthropic principle as a thumb rule of relativity. For man is an observer and also part and parcel of the universe.

INTRODUCTION

From Galileo, Newton to Einstein, each in his endeavours to describe the universe ascribed a sense of relativity. Relativity is hence used to derive relationships as such that exist in a system. M-Theory too uses the anthropic principle in general to establish relationship that naturally exists between man and nature (universe). Variations can later be deduced/expounded upon but the anthropic principle is unfeasible (as such I have described man is an observer and also part of the universe)

THE BIRD, THE FROG WHAT IF...

In parallel universe (Tagmark 2002). Prof Max Tegmarks puts forth a landscape as such. In which Physics has to describe from the top (bird view) to the bottom (frog view). The frog view might miss out on a complete view that comfortably satisfied the bird. So too would be the bird described from the frog perspective. The bird may at least describe the frog's back. The frog too many describe the birds belly exclusively

WHAT IF.....

What if the view afforded is so all encompassive that it described the entire landscape and the observer fitted like a piece in a jigsaw. A general rule that either the frog or the bird would subscribe to emanates from the picture. Either of these animals (bird or frog would draw from a landscape with much deeper, interact reality that seemly put the bird or the frog at the centre of the landscape for either animal frog and bird make part of the scenario as they co-exist in the same eco-system).

A general principle as such applied ethically bearing in mind ecological relationships in co-existence that is bird frog and forest (locality). A virtual view would derive that give us a previously un-afforded description of the landscape. In such the bird would describe itself in respect to its environment. (Surrounding) The frog too in as such would feature as the bird's environment. The frog too can describe its environment and itself too centrally in as such the bird would appear as part of the environment to the frog. A similar but opposite view. The supposition from it the observer would describe integrity (including self) making it seem to the observer as a center. Probably this is where the anthropocentric model arose. (kaleidoscopic mixing) of these scenes would emerge with a vivid picture. In that it is highly interactive. This is a result that natural intelligence employs to enable an existence (observer) fit comfortably in both the local and global environment (universe).

FINE TUNING AND THE UNIVERSE

The observed fine tuning cosmological parameters are dictated by such an effect: borne from the Anthropic principle put forward that man is part and parcel of the universe. The cosmological fine tuning is such to satisfy this- That the universe is just fit for all life not just humans all other existences too subscribe to this and observe fine turning in their varied intelligence much as we do.

UNIVERSE BENDS BRAIN, BENDS PHYSICS THEORY.

If the universe is a Quantum computer, then all existence within it too are. A complete TOE as M-theory is able to employ Holography to mathematically derive the fractal constitution of the universe to entirely on a quantum level, basing on the holographic principle that states that information amount is determined but not its form. It is inherent to contemplate the notion that pure abstract information underlies all of physics (citation needed.)

BRAIN AND PHYSICS

Physical theories, a pursuit of a species (Homo sapiens/man) employ the brain to compute and hence quantify observables in the universe. The universe as such an information system. The brain doubles up a detector and a processor the output forming part of our conscious, sense much lies in the subconscious. The human being in essence the brain is made up of matter that too exists in the universe. The proton in a Brain cell is bound to be the same in a distant star far out in another galaxy: man is part of the universe. A basic description of the human brain along such fundamentals suffices to describe the universe. The reverse too holds a fractal derived of the universe describes the maximum computational power of the brain assuming that at any instant we use 100% of our brain for Biological functions. The amount of matter (which we call ordinary) is directly proportional to the Quantum (resolving power) of the human brain. Beyond this the brain registers the rest as Dark matter or energy.

This is what we perceive as a cosmic event horizon. A physically expanding universe may mean non-local increase in the computing power of the brain; by availing more regions of space-time for our study. Similarly this may translate to miniturlization of our technologies. The case is as such to the computer industry. We are now able to pack more hyper computing power in the same devices, even smaller than we did half a century ago. The amount of data similarity experiences an exponential growth, necessary to sustain our growing needs, making life easier. The human brain invented maths and Holography to peep beyond this Biological bound, these techniques are vastly employed with variation in M-theory to describe the universe. I have derived a fractal constitution of the universe using M-theory to arrive at a 7% theoretically maximal amount that we can perceive as ordinary matter in a paper. Fractal constitution of our eleven dimensional M-Brone universe:Vixra 1304.0112. This findings can be copy-pasted in Neuroscience, and may be used as a yardstick indicating the percentage of computation ability of the human being. The expansion of the physical universe may mean that so too does the computing power of the brain increase. The converse is highly plausible. This begs the question is our view of the universe an aura (schema) self generated by the brain (a very powerful machine, capable of generating any non-global simulation it so wishes to simply placate an existence's presence in the universe and garnish reality underneath.

MAN AND THE AGE OF THE UNIVERSE

In the Anthropic principle, the universe is envisaged as a Turing machine (Tipler) the human species exists as an entity in the universe and the universe is the all encompassive totally of existence (www.wikipedia.org/wiki/universe). All entities within it reside inside a hypothetical computer with an infinitely long memory tape. Any entity-in this case Homo-sapiens must display this,in its daily processes necessary to pertuate the species. Tipler quotes Lovejoy (1936)- Our species is an intermediate step in the infinitely long temporal chain of being. Human existence is systematically passed on generations: Ancestors give forth to descendants; the descendants later become ancestor of subsequent members of the race and so-on and so forth, from infinity to infinity, infinite continuity.

If such a process employed to pertuate the species in the universe of which the species is part. Then it so follows that the Anthropic principle guided by as such argument. The human being is a clock in the universe. The universe existed hand in hand with the human species. Man, universe and all entities appeared spontaneously, their ecological interdependencies not allowing neither to exist (come to be) preceding nor proceeding the other for to exist in a system all entities need each other as much regardless of magnanimity.

Infinite continuity in a species, tells a story of the universe. The universe always has a history-An infinite one into the past and also transcending way past into the future. The actual infinite exists placated as –The universe.

DEDICATION

This paper is exclusively dedicated to celebrate Nelson 'Madiba' Mandela. A great son of Africa who stands tall- strong as the Baobab tree in the African Savanna. Our African philosophy-Ubuntu (umundu), the care, compassion of having each other always at heart - existing beautifully as our ancestors lived. Before continental drift kicked in, all humanity lived together, we shared a grand supercontinent, the remnant of which still remains – Africa. The heart of the world. Though the continents have drifted the geographical jigsaw fit still persists. So too does a lot.

The old wise man always knew, we must share all we have in love truth and forgiveness bringing out the subtle beauty and diversity of our planet and hence the universe. Madiba went into struggle knowing very well the war had to be won but the victory-outright human dignity, had to be savoured by all. Freedom came and thus co-existence. The sun never set on such a warrior king as you Madiba. We will always keep you close. We must continue on with what you the vast intellectual riches you have left, no matter the hardships we can encounter, for the future depends on us. To make the world a better place for prosperity of all mankind and nature.

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