

## 1)Introduction

Hello to all.I have tried to write a full research paper putting fourth my ideas in some of the issues that scientists face trying to prove birth of our cosmos and its continuous functional flow.

## 2)presented theories

There is no accepted theory as such to prove the existence of everything but there are few close candidates for that.Mainly string theory and/or loop quantum gravity.Both are proper yet somewhat hypothetical concepts.Both have some pros and cons for example string theory is somewhat able to explain phases of existence but unable to explain the Penrose conjecture which estimates the mass of spacetime, total area of black holes and generalises positive mass theorem.On the other hand loop quantum gravity explains universe at quantum level successfully but is unable to merge general relativity with quantum theory.solution?i think i might have one....

## 3)Super fluid matrix theory!

Sounds film oriented and hypothetical but trust me,it isnt.There is a concept called as superfluid vacuum theory which describes our spacetime as surface of n-dimensional superfluid.Technically speaking this fluid should have infinite density but non existent viscosity(we dont want our universe to be opaque).But this is where major problem arises,the macroscopic structure of this vacuum is unknown because it is beyond the standard model.so how can such theory explain everthing?simple,combine it with other theory!!

so according to me,we live in quantum entanglement of things far beyond our sight.Everything in this universe has some dimensional background.We live in 4D spacetime.String theory says that there are 27 dimensions.That too is a rough estimate.so what is our spacetime is made of n-dimensional super fluid and every bit of that is covered of matrix formed due to string network condensates,essentially strings vibrating at speed of light giving matter its materialistic properties by virtue of higgs field.To explain it better,lets take an example..

consider a single powerful ray of monochromatic light.U deploy it through a large gun in space.So according to me,as soon as you hit the trigger,the light comes out and enters this super fluid with matrix.Now what does light do when it comes under strong influence of gravity?IT bends.According to general relativity it bends due to curvature of space time and according to quantum theory,it bends due to interactions with gravitons.But if we take into consideration superfluid matrix theory,then it bends due to pressure on non newtonian fluid,so essentially when light rips through superfluid,its surrounding space is a bit distorted and the matrix stretches as superfluid is stretched to occupy this light.

Lets consider another example,imagine there is a big glass filled with eggwhite and yolk.now consider u have put cream in circular pattern on top of it.Now imagine that you hit that yolk with your fist..what happens?the circle pattern of that cream gets bigger isnt it?so essentially,the egg yolk is super fluid vacuum,the cream is matrix and your fist is light.

## 4)Conclusions.

This theory could potentially not only explain birth of cosmos, expansion etc but also explain the string theory and loop quantum gravity together! That's definitely a drag! It has many applications and I will post them as soon as I develop more maths in it. And last but not the least, for those of you who think that it's preposterous idea, remember one thing, an idea if at the beginning does not sound strange and weird, then it has no hope. We all are desperate for answers here.

5) Equations taken into consideration.

## 1) Lorentz and Galilean symmetries:

The fluctuations of vacuum superfluid behave like relativistic objects at "small"<sup>[nb 1]</sup> momenta (a.k.a. the "phononic limit")

$$E^2 \propto |\vec{p}|^2$$

and like non-relativistic ones

$$E \propto |\vec{p}|^2$$

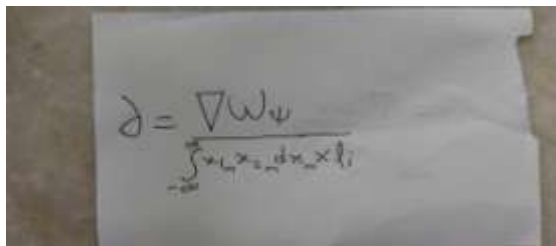
## 2) Riemannian Penrose inequality:

$$m = \sqrt{\frac{A}{16\pi}},$$

the manifold in is isometric to a slice of the Schwarzschild spacetime outside of the outermost minimal surface.

6) Derived equation for Superfluid matrix theory.

## The surface tension tensor equations for n-dimensional super fluid:



Where,,

Gamma= surface tension tensor

DellWpsi=total work done in displacing n-amount of superfluid(work-energy tensor for SFT).

X1m & x2m=displacement of superfluid by virtue of bilateral component of force of medium travelling through it.

Li=assumed planck length of column of curved matrix.

My original work:-

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