

seaipsyceph. [sea-eye-psy-sef]. CISISF.

CONSCIOUSNESS IS SCALE INVARIANT SUPERFLUID.

none of us can be absolute masters of existence. all physical theories include a fudge factor. modern theories hide the fudge factors in complexity of calculations and fancy words. a simple linguistic description of reality lacks the ability to hide the fudge factor, and so must include one metaphysical assumption unhidden.

this paper states the one metaphysical assumption right up front and then proceeds with physical reasoning from there. the assumption is that of a primordial absolute nothingness which could experience what it is like to be nothingness, and that the experience can be thought of as a disturbance or eddy in the nothingness. the early stirrings of pre-thought.

this establishes an absolutely scalable superfluid as pre-existing everything. it is absolutely scalable because it is a fluid not made of parts, literally made of nothing. panpsychic disturbances of nothing, eddys, whirlpools and eventually vortexes then begin spinning nearly perpetually because of absolute zero viscosity and friction.

this provides an infinite metaphysical basis for bernoulli's principle at all scales of reality. bernoulli's principle of course is well demonstrated and undeniable in physics:

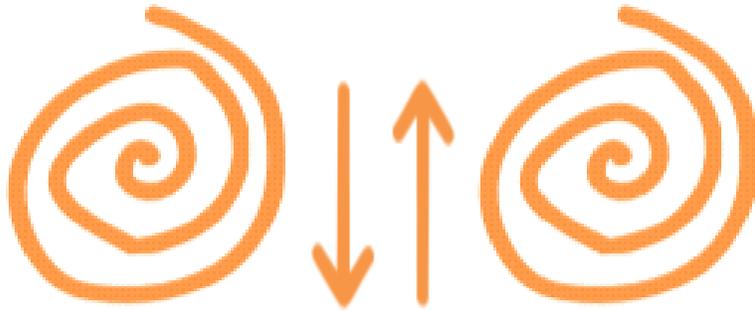
AN INCREASE IN THE SPEED OF A FLUID OCCURS WITH A DECREASE IN PRESSURE.

and of course you are free to ignore the suggested fundamental metaphysical principle above, it will not change the physics of the emergence of the universe from a cephest (SFST) (superfluid space-time). the metaphysical foundational suggestion takes the step of making nucleons and black holes truly bottomless pits with potentially infinite timelines into eternity past. it perhaps removes the unresolvable wormhole issues. though it may open another problem in reasoning, that problem has not yet arisen in the thought exploration of this paper.

cephtoe. SFTOE.

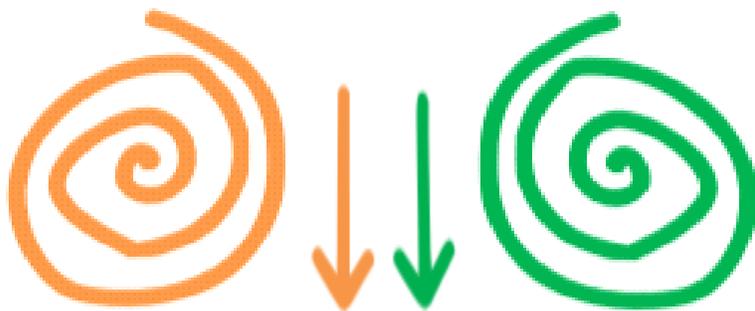
SUPERFLUID THEORY OF EVERYTHING.

so ignore the metaphysical preamble if you wish. accept that before the big bang was a ceph (SF) (superfluid). this is reasonable since superfluid helium near absolute zero is known to exist. now imagine two vortexes spiraling in like a tornado in clockwise directions. you could label this negative charge. in physics like charges repel but they don't know why. in cephtoe this is easily understood by the bernoulli principle. opposing flows of fluid create disturbances in all directions and manifests as pressure:

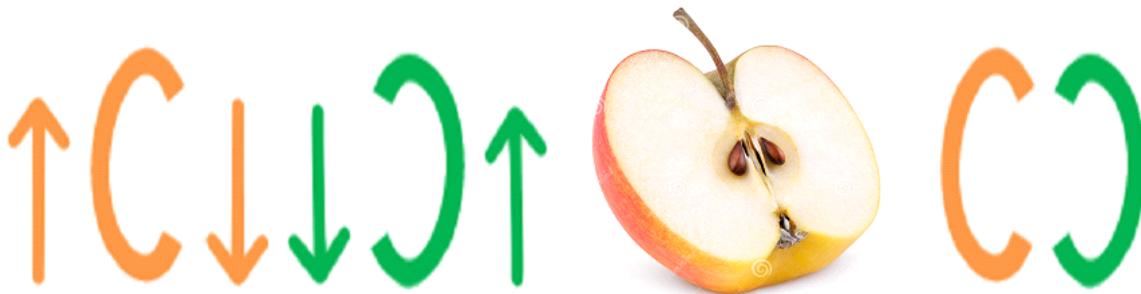


these two vortices will move apart.

two vortices spinning in opposite directions will behave differently.



both vortices are superfluid spiraling in but because they counter-rotate relative to each other the fluid between them flows in the same direction and pressure is lower according to bernoulli. the vector motions are no longer in all directions pushing outward but directed so lower pressure manifests between the two counter-rotating vortices. this is opposite charges attracting.



we now have a 3D torus shaped vortex. this is a two dimensional slice that looks like an apple sliced in half. the flow is down through the center and up around the outside and back down through the center. this is what dark matter looks like subatomically but this is not an atom as we understand it. it is perhaps more like two equal and opposite charged quarks but that i can't really say, not knowing enough theory of quarks. normal matter is made of three quarks as we will show later. but let's stay with dark matter for now which is 96% of our universe. later on i may speculate about the nature of possible life in dark matter.

now view this apple torus from the bottom and top. it is one torus but two colors are used to emphasize counter-rotation. the red top spirals in clockwise. flip it over and it spirals out counter-clockwise. this is similar to a magnetic field.



the fluid dynamics of flow down through the cores and out and up around the outsides will induce spin around the equators of these apple torus vortexes. viewed from the top and bottom they look like spirals again. so the same dynamic as above can repeat creating torii within torii. it could go on indefinitely. but this is perhaps darkmatter. dark matter may thus not involve symmetry breaking as our kind of matter does. this dark matter if this is correct is not based on any disturbances becoming part of the fabric of reality. thus if there is life there it would be of a different nature. but this of course is speculation, but interesting.

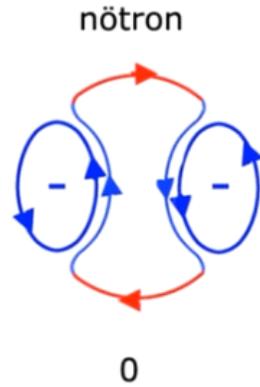
now how does our kind of matter arise?



these two vortexes will move apart most of the time as explained above. but if they collide with enough energy of motion perhaps pressed together by the same kind of vortexes surrounding them, the turbulence between them from opposing flows can stabilize into a counter flow stabilizing the whole thing as a system of flow:



once this system stabilizes throwing off any imbalances of energy of the spins, it is then three quarks, a neutron. two 1/3 negative charges and a 2/3 positive charge yielding neutral, or zero charge overall. it then looks more like this, roughly spherical:

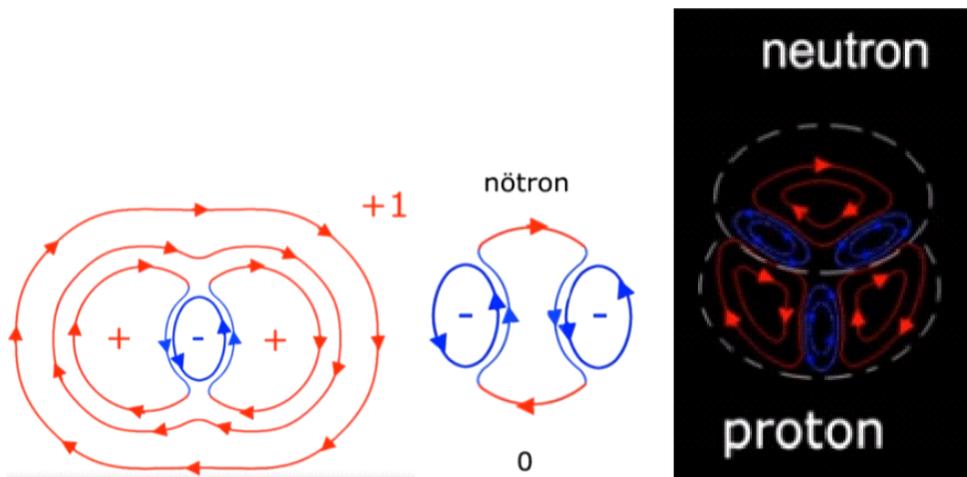


notice the outer edge flows of the neutron above are not in the same direction. it can't surround itself with a continuous flow, thus a neutron by itself will decay in about fifteen minutes.

now let's discuss the formation of a proton below. a proton is also three quarks but it is one 1/3 negative charge and two 2/3 positive charges yielding a positive charge of +1 overall. but don't forget that the word "charge" is a flawed description. it is all spinning, spiraling superfluid. and the words "negative" and "positive" are flawed descriptions also. a vortex is spiraling clockwise or counter-clockwise depending on your view from top or bottom.



nearly the same fluid dynamics forms the proton but the outer edge, the outer orange arrows above, or the red arrowheads below, flow in the same direction allowing a smooth continuous flow around the proton. thus they never decay, or at least a decay has never been detected:

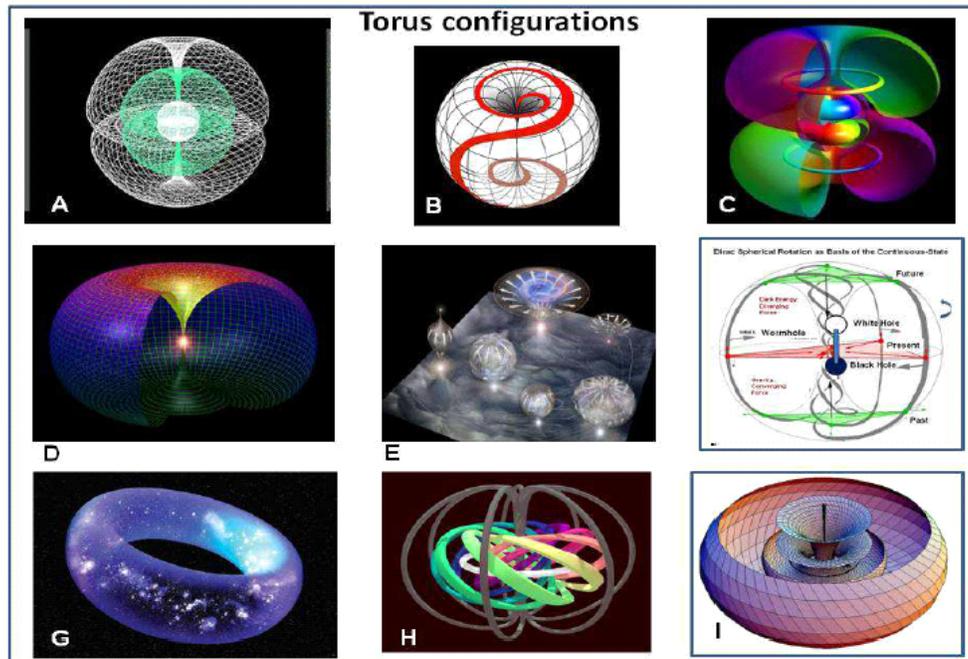


now how do you get neutrons and protons together for complex atoms? they call it the strong force mediated by gluons implying superglue or something, but it is the same fluid dynamics. unfortunately, when we name something or some dynamic like "gluon" it can bias our minds into thinking the name refers to a unique object like a particle or a billiard ball. and if we think of the standard model of particle physics in this way, we end up conceiving a bunch of solid things and then have to make up various kinds of glues or sticks or magical fields to construct a tinker toy universe. but if we keep our minds clear of such nonsense, then the same simple fluid dynamics unifies everything all the way from our macro-world and down into virtually infinite smallness.

thus a neutron and proton naturally unify by fluid dynamics. and these unified entities further unify by the same dynamics, no gluon or strong force needed. no separate forces to unify. even gravity emerges from this same fluid dynamics, so grand unification of physics is already here. all that is left is to cut through the alphabet soup and do the math.

so everything from the cosmos to galaxies to black holes and dark matter and normal matter all resolve down into subatomic space as the same hydrodynamics of superfluid space-time.

all the various theories such as classical physics, special and general relativity and quantum mechanics are revealed as alphabet soup clogging the drains of our awareness and perception of a unified reality, a swirling cosmic sea at all levels.



the following part of this paper is more speculative because it is based more upon the initial metaphysical assumption of the origin of an ultimate absolutely scale invariant superfluid from an existential nothingness. i will speculate on the nature of time and consciousness according to this cephtoe (SFTOE) (superfluid theory of everything).

the following sentences were lifted from an article entitled:

"your mind can control matter".

Consciousness could be hidden factor in quantum equation. The famed quantum physics experiment known as the double slit experiment provided shocking evidence decades ago of the mind's ability to control matter. Atomic particles were shown to also be waves. Whether they manifested as waves or as particles depended on whether someone was looking. Observation influenced the physical reality of the particles—in more technical language, observation collapsed the wave function.

i would be the first person to love it if magic were possible. but so far, at least for me, it is not. so i will try here to translate quantum language into cephtoe language explaining in a down to earth way what it means for consciousness to collapse a wave function.

in cephtoe everything is superfluid flowing in. gravity is superfluid space flowing into matter. electron clouds are superfluid flowing down into atomic nuclei. atomic nuclei are superfluid flowing down into quarks. beyond that we don't know so i will label that as approaching the metaphysical level but assume the same thing or something similar keeps recurring further down the drain of reality.

so i think we can translate the phrase [observation collapsed the wave function](#) as not being the collapse of a wave but rather the funneling in of superfluid from one level to another. such as from space around a massive object into the electron funnels of atoms. superfluid swirling around a planet entering and sustaining the atoms of the planet. gravity. in this sense gravity could be described as a wave function collapse of space into matter, but is better understood without the wave particle duality. space is circulating superfluid. gravity is the dynamics of superfluid flows between and down into planets.

now if the original superfluid was a panpsychic disturbance of pure void, then all consciousness is derived from this original superfluid which manifests all relatively "less super" fluids. by "less super" i mean having a little viscosity and frictional quality. superfluid helium at 2 degrees kelvin has almost zero viscosity. thus vortexes will spin nearly forever. for all we know the sharp tips of these tornado-like vortexes may continue down into smaller realms inside quarks below absolute zero kelvin.

my suggestion is that consciousness is the spinning and spiraling in of the superfluid space-time. since the deeper vortexes suck in the fluid around them, that is consciousness collapsing the wave function and it is the sustaining of our reality. noticing a particle detection in a double slit experiment is perhaps seeing this in action, but our noticing it did not make it happen. the light in our detectors is vibrations (waves) of the spiraling in superfluid, not the fluid itself. the causation is the flow of the fluid. the waves are just information about the flowing causation. so no we are not creating reality by observing. we do perhaps influence a little. if the metaphysical assumption is correct, and even if it is not, the cosmic superfluid containing all the degrees of consciousness swirling around and in is all the causation, all the wave function collapse, and we share in the edge of it, the edge of consciousness as it flows into our electron spouts, as it enters our atoms.

we can make choices at that level. we cannot alter deep causation as far as we know.

but let's speculate there a little. in normal classical physics causation, when we push an object with our hands accelerating it, we are using the electron clouds of our hands pushing against the

electron clouds of an object. we make a choice. but these electron clouds are actually the outer, shallower spouts of vortexes which are wound into tight funnels down deep.

the big question is, how does consciousness control the atoms of our arms and hands to do this. biology explains the body and neurology the brain and nervous system but none of these sciences can identify the point where consciousness itself takes hold of all this biology and neurology. if the panpsychic origin of the most super superfluid is correct, and swirling of this stuff/nonstuff is consciousness itself, do we drag our atoms around by the tiny, tight portions of the tornado-like funnels, the nuclei? in other words, do our choices push our atomic nuclei around, dragging the electron clouds with them? we certainly cannot do this by willful choice independent of what cosmic reality is doing deep down in our funnels. but with this deep reality working seamlessly with our choices, it would seem like we can do this.

we make trillions of atoms relocate by just moving our arms. most of the time we coast along with momentum in a direction, not choosing, then choose to change direction, and coast along some more. is it possible that choice is like grabbing all the little tornado atoms by the narrow fastest spinning lower parts (nuclei) of the tornados (atoms), dragging the larger storm clouds (electrons) along. and this feels like the acceleration of making a choice.

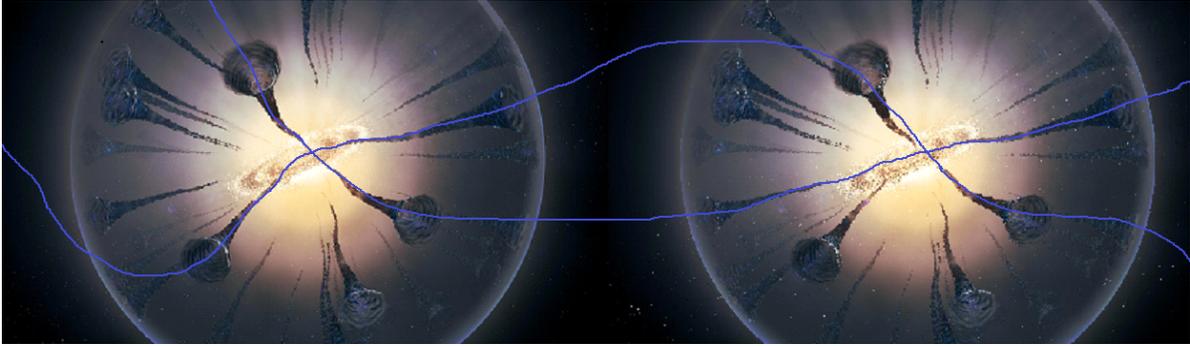
and just going along in a direction without choosing is like allowing the larger, upper parts of the storm, the electron clouds, to drag the tighter funnel nuclei, just as atmospheric tornados actually travel along the ground, even as the tight funnels sometimes jump around under their clouds?

thus our larger destinies are somewhat determined, with many individual choices along the way. but if we really by conscious choice cause our atomic vortex nuclei to drag around our electron funnels, we may indeed have much more potential freedom of will in our futures if we can develop ourselves more fully, more deeply.

now back to a less speculative mode. gravity is obviously inward flow of superfluid space. this inward flow is also the forward flow of time. in black hole theory, information may be permanently captured on inner event horizons. this may apply to protons and neutrons also. if so then the past is perhaps recorded on the inside of these stable funnels of in-spiraling superfluid. our awareness of the present moment of time rides on the outer spouts of our electron clouds as time spirals into our nuclei, down through the quark vortexes and perhaps deeper from there.

so space becomes time at the point where it makes the turn down into our atoms. the metaphysical question is, does it spiral down inside forever, or does it reach a limit of smallness and go wormhole-like, weaving into a cosmic fabric?

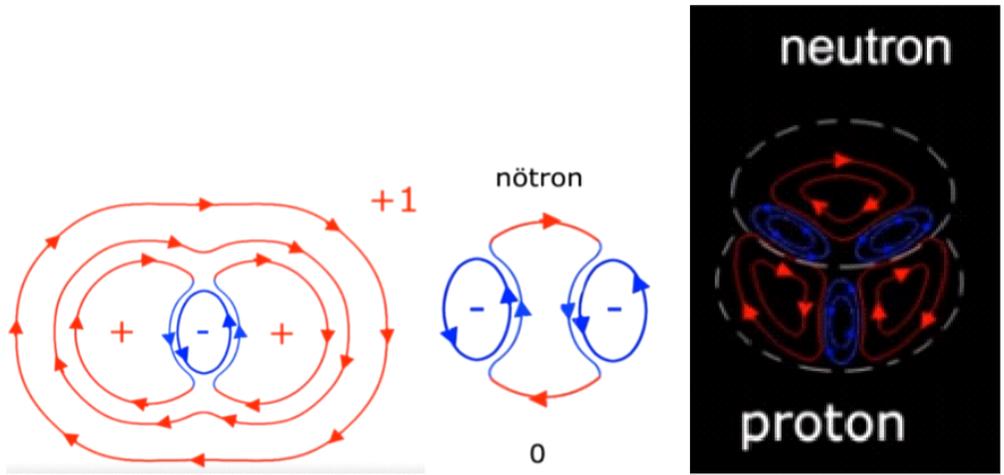
logic suggests that even at the so called metaphysical level of smallness way way smaller even than planck length, a slight viscosity exists, thus infinite tunneling down cannot occur. so it resolves into the tiniest imaginable wormhole threads. and these extremely tiny threads extend back out of atoms. completely non-interacting with the in-flowing fluid. this is consciousness looking out through these strings.



so in a sense, consciousness is anti-time. space-time flows down in the direction of gravity, in the direction of eternity past, resolves into wormhole threads and extends back out as consciousness. consciousness is thus the purest form of energy and is conserved. ultimately at the deepest level, space is these finely woven threads of intelligence. and this spatial fabric is eternally gaining complexity with none ever lost. perhaps. there seems no reason in the logic of this paper that these tiny strings couldn't rise up through the centers of the in-flowing funnels and also between them in all directions outward and even down into the funnels of other atoms. perhaps explaining entanglement. none of this part of the paper is provable and these strings would be so tiny they will never be actually detected. perhaps this relates to string theory which also can never be proven.

we all have a model of some kind that guides us through life. sometimes these models are rather subconscious. sometimes consciously thought out. they may be spiritual models or scientific. string theory explores these possibilities through advanced mathematics. the rest of us can only search our own perceptions of what reality may be at its deepest levels. science takes us only so far and i suppose meditation or contemplation will have to complete the journey. some say consciousness is illusion and life an accident. of course their own illusory consciousness would be making that claim. they may be right. they may not. they say we have no souls. i hope we do. maybe our timelines reside and interweave in these tunnels. maybe our timelines are these tunnels and we re-emerge from them from life to life? this paper is part of my explorations.

now back to neutrons and protons, the nuclei of atoms. these same nested vortexes may describe perfectly the interiors of black holes at the hearts of galaxies all strung together like strings of pearls on wormhole cosmic filaments. our entire cosmos may be developing into the future subatomic realm of a vastly larger space-time trillions upon trillions of our years from now. and our distant descendants may travel those filaments from galaxy to galaxy filling the cosmos with life just as our inner subspace filaments tunnel in and out creating and sustaining us. we may someday be living deep inside someone else's subatomic realm.



i suppose i am a dreamer. but could this be our destiny? if the above right image was a black hole at the center of the milky way galaxy, could those funnels be traversable someday? of course we would have to get there first and in a craft made of exotic new materials which can handle the environment. if space-time is a superfluid, theoretically we could supercavitate through it faster than light. but such craft if possible would do more than get us there. they would cut new tunnels through space itself actually re-weaving the fabric of space. such a craft tunneling through our solar system would likely do much damage to our neighborhood. perhaps there are safe pathways between the spiral arms of the galaxy where we wouldn't harm anyone. we may even become part of the process of weaving the subatomic space of a future megaverse. their quarks would be our on-ramps to superspace highways.

we may someday discover as many black hole types as elements on our periodic table.

