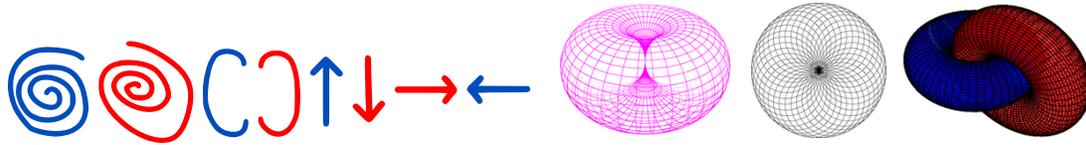


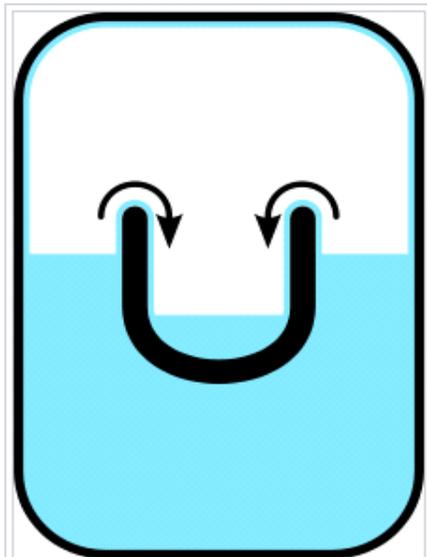
CML DSF 2 CGS.

COLD MOTIONLESS DARK SUPERFLUID TO COLD GENTLE SWIRL.

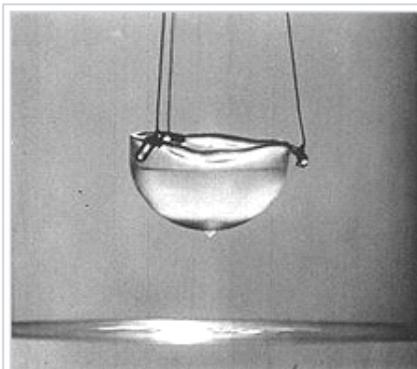


these eleven shapes are a small alphabet for explaining DSF (Dark SuperFluid) Physics.

for there to have been a hot big bang there would have had to have been a slow build up of energy first. the discovery of superfluid helium at two degrees above zero kelvin, above absolute zero, is revolutionizing our understanding of physics at its deepest level. the temperature of the cosmic microwave background radiation is 2.73 degrees kelvin. thus outer space is very likely a superfluid. so instead of a hot big bang the universe may have originated from a vast cold dark swirl of superfluid and heated up later.



Helium II will "creep" along surfaces in order to find its own level—after a short while, the levels in the two containers will equalize. The Rollin film also covers the interior of the larger container; if it were not sealed, the helium II would creep out and escape.



The liquid helium is in the superfluid phase. A thin invisible film creeps up the inside wall of the cup and down on the outside. A drop forms. It will fall off into the liquid helium below. This will repeat until the cup is empty—provided the liquid remains superfluid.

Superfluidity in an ultracold fermionic gas was experimentally proven by Wolfgang Ketterle and his team who observed quantum vortices at a temperature of 50 nK at MIT in April 2005. Such vortices had previously been observed in an ultracold bosonic gas and more recently in two-dimensional gases. As early as 1999 Lene Hau created such a condensate using sodium atoms

for the purpose of slowing light, and later stopping it completely. Her team subsequently used this system of compressed light to generate the superfluid analogue of shock waves and tornadoes.

These dramatic excitations result in the formation of solitons that in turn decay into quantized vortices created far out of equilibrium, in pairs of opposite circulation revealing directly the process of superfluid breakdown in Bose-Einstein condensates. With a double light-roadblock setup, we can generate controlled collisions between shock waves resulting in completely unexpected, nonlinear excitations. We have observed hybrid structures consisting of vortex rings embedded in dark solitonic shells. The vortex rings act as phantom propellers leading to very rich excitation dynamics.

imagine for a moment you wake up and go to the kitchen for a nice hot cup of coffee. you heat a large cup of water in the microwave for four minutes and let it sit for a minute in case it is superheated, and then add a heaping teaspoon of instant coffee into the water. you stir it in, add flavored creamer and a little half and half and stir for a minute while day dreaming. removing the spoon you walk away to find some corn flakes. you dump some in a bowl, add milk, check your watch and tell the kids to get ready for school. then you read the comics in the funny papers and finally walk back to your waiting coffee, and the damn stuff is still spinning a cyclone in the cup! what the hell? you stand there and stare for a whole three minutes and it never stops spinning. so you go to work and spend a full eight hours and returning home you walk into the kitchen and the coffee is still spinning in the cup. it hasn't even slowed down. what the hell?

welcome to the strange world of superfluid helium. it reveals something about the deep reality of matter at the quantum level. the stuff just keeps going and going like the energizer bunny. and it spins into patterns which seem to come from nowhere. it self organizes and even crawls up the sides of containers defying gravity. now don't get to thinking magically, the physics is simple once you get your mind around it. it is called the bernoulli principle and is responsible for everthing in the whole universe. everything is fluid dynamics, even gravity and light. God if you want to go there.

there is one mystery: how did it all get started? where did the superfluid come from? there is a panpsychic metaphysical answer to that but we'll save that for later. the superfluids like helium at zero kelvin are made of atoms which behave very differently near absolute zero. there is subatomic quantum stuff below that which does the same thing and apparently does this magic even better. darsf (DSF) (dark superfluid) fills all of space even in the absence of matter. in fact atoms drink this darsf coolaid and can't live without it. they are made of it. but atoms are not solid structures like the mug that holds your coffee. they are more like the spinning super coffee above but without the mug. self contained vortexes that spin their own mugs.

darhars (DHRS) DARK HARD RESIN SPACE.

a long long time before the big fizz bang there was only a cold motionless dark that was not yet super. not yet anything. literally. dead motionless. it was so dead motionless i have come to perceive a most paradoxical possibility: darhars (DHRS) (dark hard resin space). but that is such a counter-intuitive idea that i hesitate to make the claim.

at zero kelvin in our area of the cosmos, after we have removed virtually all the energy external to the atomic nuclei of helium and some other elements, it is revealed that tremendous self organizing energy is beneath that, inside of everything.

but imagine a strange possibility far far far outside of our energetic universe. imagine a space absolutely devoid of motion at any level of scale. not even any motion at all in subatomic space. absolute void stillness. but stillness is not the right word because it sounds so peaceful. this state of space i am calling darhars (DHRS) (dark hard resin space) is anything but peaceful. it is so absolutely devoid of even microscopic motion that it would be experienced by us or anything real as thick hard resin. nothing could even move.

stuck in amber. now for the physics of why this is possible. our atomic matter is created and sustained by subatomic darsef (DSF) (dark superfluid) of an extremely fine grain. at least planck length fine. in a darhars (DHRS) (dark hard resin space) which would have to be way way way out far from our zone of cosmic space, with absolutely no motion of any kind, not even way down below planck length if that is possible, there would be no darsef to feed atoms and they would regurgitate all the vortexting darsef into the void where it would stop stone cold hard as if frozen in amber. this seems counter-intuitive that absolute void could do this until the nature of matter and space is understood from the darsef (DSF) (dark superfluid) perspective.

super liquid space, liquid gravity, liquid light, everything is. and in the absence of any of these cosmic liquids, the void is experienced as cold DarHaRS (dark hard resin space). it is literally nothing, not even sub ZeeK (zero kelvin) energy, and sucks all energy out of anything in it. a true cold hell if there is one.



eL (light) DarSeF (dark superfluid) DarSeFT (dark superfluid theory)

ZeeV (zero viscosity) ZeeK (zero kelvin) ZeRM (zero rest mass)

DarT (dark thread) DarK (dark knot) DarC (dark chain) QaR (quark rock)

WayBAZ (way below absolute zero) DarHaRS (dark hard resin space)

En (energy) Gee (gravity) Tie (time) eST (space-time)

SeF (superfluid) STeF (space-time fluid) NorS (normal space)

SoL (speed of light) eM (mass) Zee (zero) Tee (temperature)



En (energy) = eM (mass) SoL² (speed of light).

but since SoL (speed of light) at ZeeK (zero kelvin) = Zee (zero),

En (energy) at ZeeK (zero kelvin) = eM (mass) times Zee² (zero) = Zee (zero).

but we know there is very much En (energy) in SeF (superfluid) at ZeeK (zero kelvin) so ZeeK (zero kelvin) is not the lowest possible Tee (temperature).

i wonder if science fiction has tried to explore this idea. nothing could ever enter such space let alone ever get near it. in our zone of the cosmos the speed limit is c. in WayBAZ (way below absolute zero) or DarHaRS (dark hard resin space) the speed limit would be Zee (zero). anything racing in there would get stuck in amber and never go in deep. unless a spacecraft hull could be constructed of exotic matter resistant to external atomic energy loss and powered from within to feed DarSeF (dark superfluid) to atomic and subatomic vortexes, there would forever be nothing there except perhaps QaR (quark rock) near its edges before it stops dead in space. perhaps DarTs (dark threads) from our cosmos could extend there and get it eventually swirling at a very fine level. perhaps this is how the cosmos gets distant void ready to develop into STeF (space-time fluid)? anyway, this is a theoretical idea from extending DarSeFT (dark superfluid theory) to the limits of reasoning.

there might only be QaR (quark rock) WayBAZ (way below absolute zero) in DarHaRS (dark hard resin space).

another perspective is that since in this DarSeFT (dark superfluid theory) DarTs (dark threads) extend out of all matter atoms weaving long range through space, they might quickly convert DarHaRS (dark hard resin space) into atom sustaining DarSeF (dark superfluid) space. since DarSeF (dark superfluid) has virtually ZeeV (zero viscosity) and ZeRM (zero rest mass) like photons then spin up of DarHaRS (dark hard resin space) to DarSeF (dark superfluid) might be as instantaneous as electrons in NorS (normal space) jump levels. further, the hypothetical journey into DarHaRS (dark hard resin space) would be dragging the threads along maintaining connections (entanglements) to atoms in DarSeF (dark superfluid) space.

maybe i'm wrong. this part is metaphysical speculation after all. since DarHaRS (dark hard resin space) is literally nothing, maybe atoms there would just keep spinning in without skipping a heartbeat. but my DarSeF (dark superfluid) reasoning cannot escape the fact that space here in our zone of the cosmos is very active, as evidenced by superfluid helium near absolute zero. and even if DarSeF (dark superfluid) itself has a non-material existence, its En (energy) of motion is real and it is that which atoms are hungry for and must have continuously to avoid deflating to QaR (quark rock). all this implies absolute zero is not absolute after all. just for us. light stops

at ZeeK (zero kelvin) but it still exists as globs of fluid holding energy. thus logic suggests there is something below that. but the truth is we don't know.

Zee (zero) SoL (speed of light) at ZeeK (zero kelvin) may be DarSeF (dark superfluid) itself.

wouldn't it be ironic if eL (light) was DarSeF (dark superfluid)?

our concept of eL (light) seems limited to wave particle duality of nothing vibrating and moving. metaphysical nonsense at best. vibrating when a wave and moving when a particle, but it is neither.

coh moh leh dar sef to coh ges.

COLD MOTIONLESS DARK SUPERFLUID TO COLD GENTLE SWIRL.

the ultimate alka-seltzer would be tossing QaR (quark rock) into DarSeF (dark superfluid).

the stuff would fizz right back to life in its own bubble of regenerated eST (space-time).

i think i would prefer that but my preference does not determine reality. if only it did.



mainstream physics uses the word vacuum a lot but the vacuum they are talking about is full of energy and is thus not a vacuum at all. a true vacuum would be WayBAZ (way below absolute zero) DarHaRS (dark hard resin space). but they have no concept of that yet. they also throw the word matter around as if it is fundamental material but it is revealed as 99.999 percent empty space. the only truly solid matter would be QaR (quark rock) (fragments of ejected cores of neutron stars) but they haven't yet conceptualized that. even that is just trapped non-recycling SeF (superfluid) lacking inflow to supply fluid pressure to send out DarTs (dark threads). the stuff just spins in its isolated micro domains. it doesn't even produce gravity to get it together with other QaR (quark rock) fragments.

again the phrase empty space is the vacuum they talk about that is not a vacuum. it is a very energetic DarSeF (dark superfluid) they call quantum foam. as a vacuum, space does suck but

matter sucks more as gravity. they can't explain it with the limited concepts floated. they say gravity is curved geometry (circular reasoning) but that just approximates its behavior. until the universe gives them a "4" on the latest exam, the fact that general relativity with its geometry of gravity is proven to be "96" percent wrong. whoops. enter dark matter and energy. back to the aether theory while renaming it to save face. rant over.