

For Whom the Bell Tolls

"They [the Nazis "Bell machine"] were trying to build a fucking time machine."

British Black Ops Agent "Dr. Dan Marckus" to Nick Cook on p. 229 "The Hunt for Zero Point"

The problem is not complicated. We don't need any fancy math. More is different and do more with less. If those damn aliens have it then so can we. They ain't any smarter than we are by a long shot, otherwise they would not come here. Take your string theory and make a yo you with it. ☺

Very good finessed phase stability magnetic flux control is needed to get the vacuum-superconductor coherence resonance. You need to accurately and stably phase match the vortex circulation flux to the magnetic induction flux to within Planck's quantum of action per superconducting electron pair in the rotating superconducting disks to get controllable anti-gravity flight.

OK this is rough - only half-baked.

What is key is control of the relative phase between Podkletnov's rotating superconductor coherence and the interpenetrating vacuum coherence in the common support. The vacuum is everywhere the superconductor is.

You need to use the gauge-invariant canonical form of the kinetic momentum of the center of mass of a single electron pair in the control rotating superconductor:

$$\frac{2mv_{\mu}}{\hbar} = \frac{p_{\mu}}{\hbar} - \frac{2e}{\hbar c} A_{\mu}$$
$$p_{\mu} = \frac{\hbar}{i} \frac{\partial}{\partial x^{\mu}}$$

for the circulating electron pairs in the rotating superconductor. Therefore, per on-mass shell superconducting pair take the line integral around its circular path of radius r . The dynamical action of the center of mass of the real electron pair is

$$\oint \frac{2mv_{\mu} dx^{\mu}}{\hbar} = \oint \frac{p_{\mu} dx^{\mu}}{\hbar} - \oint \frac{2e}{\hbar c} A_{\mu} dx^{\mu}$$

Constrain to a spacelike hypersurface in a fixed frame (special relativity)

$$\frac{2m}{\hbar} \oint \vec{v} \cdot d\vec{l} = \frac{S}{\hbar} - \frac{2e}{\hbar c} \oint \vec{A} \cdot d\vec{l}$$

S is the dynamical action, which in this case is proportional to the relative phase between the superconductor and vacuum macro-quantum coherent order parameters around a closed loop in space at a fixed instant in time. Use Stoke's theorem to convert the line integrals into pseudoscalar flux surface integrals of vorticity and magnetic field.

$$\begin{aligned} \oint \vec{v} \cdot d\vec{l} &= \iint \vec{\nabla} \times \vec{v} \cdot d\vec{a} = \iint \vec{\Omega} \cdot d\vec{a} = \Phi_{vortex} \\ \oint \vec{A} \cdot d\vec{l} &= \iint \vec{\nabla} \times \vec{A} \cdot d\vec{a} = \iint \vec{B} \cdot d\vec{a} = \Phi_{magnetic} \end{aligned}$$

$$\oint \vec{v} \cdot d\vec{l} = 2\pi\omega r^2$$

where ω is the frequency of rotation of the superconductor and I use the nonlocal Bohm-Aharonov effect

$$\frac{S}{\hbar} = \frac{2m}{\hbar} \Phi_{vortex} + \frac{2e}{\hbar c} \Phi_{magnetic}$$

So the idea is to make a kind of "resonance," i.e. to finesse the magnetic flux so that the dynamical action is stably a small fraction of \hbar in a given region of the fuselage of the Unconventional Flying Object in Paul Hill's sense with "acceleration field" zero g-force propulsion (AKA Bondi negative matter propulsion, Alcubierre geodesic warp drive)

$$\frac{S}{\hbar} = \frac{2m}{\hbar} |\Phi_{vortex}| - \frac{2e}{\hbar c} |\Phi_{magnetic}| = \theta \leq 2\pi$$

There we have it! We have the Black Ops 1956 Trimble G-Engine Mission Objective! I mean we are pretty close to getting it! 50 years too late, but better late than never. ;-)

That is, the induced $w = -1$ zero point exotic vacuum dark energy/matter field is

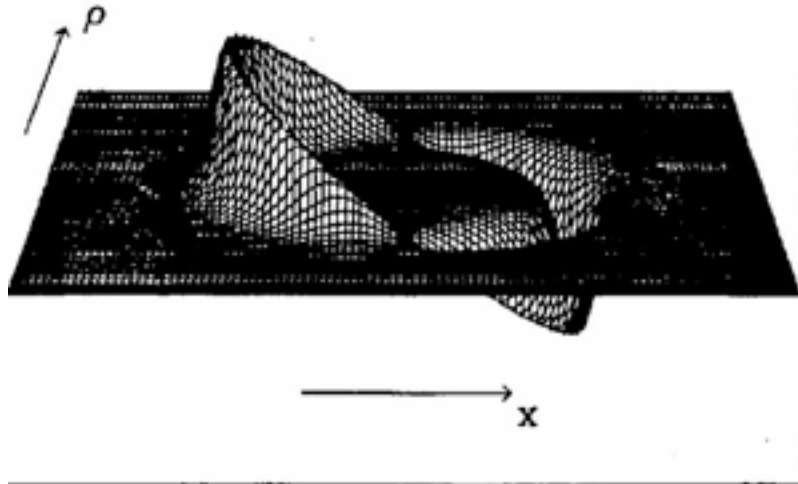
$$\Lambda_{zpf}(x) = \frac{1}{L_p^{*2}} \sqrt{\rho(x)_{vac}} \sqrt{\rho(x)_{sc}} V \cos\theta(x)$$

$\Lambda_{zpf} \sim (\text{Quantum of Area})^{-1} (\text{density of electron pairs})^{1/2} (\text{density of virtual electron-positron pairs})^{1/2} (\text{volume of superconductor active region}) \cos 2\pi [(2m\omega\pi r^2/2\hbar + (2e/c)(\text{magnetic flux})/2\hbar]$

$$\Lambda_{zpf} \propto \text{Tr}(K)$$

From Alcubierre's zero g-force weightless warp drive paper.

$$\vartheta = -\alpha \text{Tr}(K)$$



Victor Schauberger's Vortex Flux for the Nazi Bell

You want the pseudoscalar magnetic flux to "point" opposite to the pseudoscalar mechanical vortex flow circulation flux - like anti-parallel spins, i.e. the sense of the mechanical vortex circulation of rotation must be relative to the applied magnetic field such that the two terms subtract to get a very tiny action less than $2h$ for the single pair. That is, the vorticity pseudovectors $\vec{\Omega}$ & \vec{B} must point in opposite directions in space to get the vacuum-superconductor resonance or "impedance match" generating the zero point energy density exotic quantum vacuum induced strong gravity overpowering Newton's weak gravity. This allows us to shape our own timelike geodesics as Masters of Hyperspace like Q in Star Trek.

"Hey Nick, you ain't in Austin, Texas anymore."

The idea is that the virtual electron pairs of the vacuum coherence are merely the background "reference" beam for this "vacuum hologram" in a rough analogy, with the rotating superconductor and its enclosed magnetic flux like the scattered beam in the hologram.

The reason one does not see anti-gravity easily is that the damn action S is too big compared to $2h$ so the cosine term fluctuates rapidly averaging to zero with no effect.