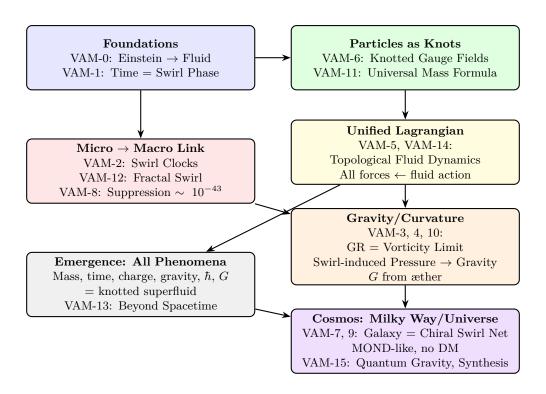
Vortex Æther Model (VAM)

Unified Roadmap of Quantum, Gravity, and Topology

Abstract:

The Vortex Æther Model (VAM) unifies gravity, quantum mechanics, and particle physics as emergent phenomena of a knotted superfluid æther. Mass, time, charge, and all physical constants (G, \hbar, α) are derived from vortex topology, swirl-induced pressure, and fluid geometry—without arbitrary postulates. This roadmap summarizes the logical flow and core results of the VAM paper series.

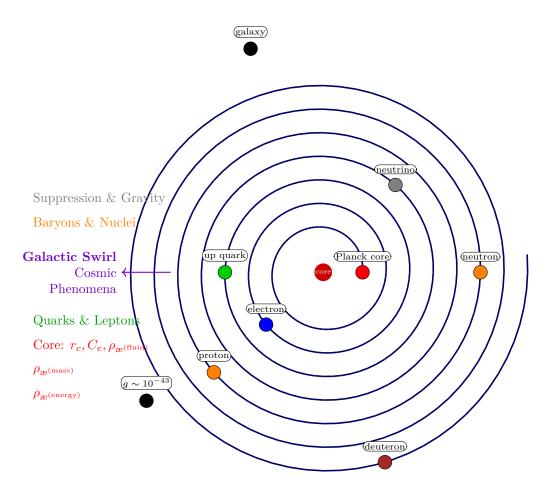


Legend: Each colored module is a VAM theme; major papers are bolded. Arrows show logical flow from foundations to universal predictions.

Highlights:

- Gravity is swirl-induced pressure, not spacetime curvature
- Mass, charge, time, spin: All emerge from vortex knot topology in the superfluid æther
- Suppression factor (~ 10⁻⁴³): Explains why gravity is so weak compared to other forces (micro-to-macro vorticity coherence)
- All fundamental constants derived:
 - Newton's constant: $G = \frac{C_e c^3 t_p^2}{r_c m_e}$
 - Planck's constant: $\hbar = \rho_{ ext{\tiny m}}^{ ext{(mass)}} r_c^5 C_e$
 - Fine structure: $\alpha = \frac{2C_e}{c}$
 - Æther density: $ho_{ae}=rac{2m_ec^2}{3}\left(rac{lpha m_ec^2}{\hbar}
 ight)^2r_e^3$

- Universal mass formula: $m = \frac{\rho_{\rm \varpi}^{({\rm mass})} C_e^2 r_c^3}{c^2} \, \Xi(\ell,H,K)$
- Unified action/Lagrangian: All known forces as topological-fluid terms; gauge invariance and symmetry breaking have fluid analogs
- Emergent quantum mechanics: \hbar and quantum phenomena from vortex energetics
- Galaxy rotation (no dark matter): Flat curves and MOND scaling from quantum microphysics
- Time dilation and relativity: Fluid-dynamical phase effects, not spacetime geometry
- Testable predictions: Rotational drag, vortex-core structure, critical speeds in superfluid analogs, gravitational lensing
- Mathematical toolkit: Fractal geometry, knot invariants, phase synchronization, coarse-graining
- No arbitrary fits: All parameters are geometric/topological, not empirical



Legend: Spiral structure represents the Vortex Æther Model's hierarchy from core æther properties to cosmic phenomena. Each generation builds on the previous, with particles as "beads" on the spiral.

 $\textbf{Contact:} \ \ For more \ details, \ visit \ \textbf{https://omariskandarani.com} \ \ or \ contact \ the \ author \ at \ info@omariskandarani.com$

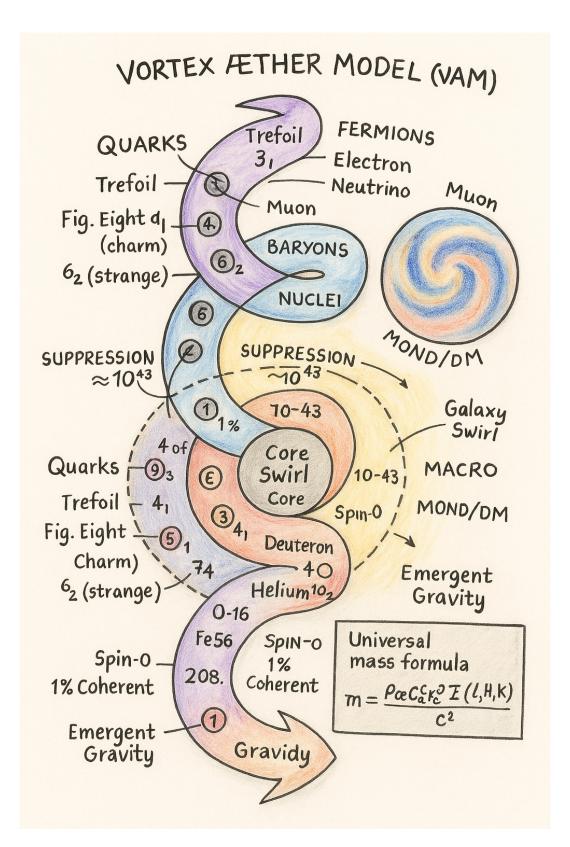


Figure 1: Your caption here.