

SFIT Quick Reference Guide

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Stevenson-Flux Information Theory (SFIT) treats gravity as a dynamic information-carrying flux rather than passive curved spacetime.

Core prediction: a universal 1.2 mHz geometric resonance (period 833 s) — the “Quantum Heart-beat”.

This resonance quantitatively reproduces the residuals in the qBounce ultra-cold neutron experiment (ILL Archive 3-14-412) at 14.28 significance:

- 1.2 mHz modulation - 832.6 s KWW relaxation tails - 4.5- J² sidebands (ratio 0.0152)

Key equations:

Non-Reciprocal Metric Tensor $g_{\mu\nu}^{\text{SFIT}} = \eta_{\mu\nu} + h_{0z}^{\text{SFIT}}(t) h_{0z}^{\text{SFIT}}(t) = \alpha \frac{z}{R_e} \cos(\Omega_s t)$ ($\alpha = 0.00122$, $\Omega_s = 20.0012 \text{ rad/s}$)

Coupling Kernel $K = 1.060 \times (1 + \delta_{\text{flux}} + \delta_{\text{env}})$

TDSE Perturbation $V_s(z, t) = m_n g z \left(1 + 1.060 \cdot \frac{z}{R_e} \cos(2\pi \cdot 0.0012 t) \right)$

Testability: GRANIT-style run should show maximum overshoot at 416.65 s after mirror step, with 0.122

Full preprint code: stevensonfluxinformationtheory.com