# SFIT for Spacetime Travel
# Stabilization of Moscovium-115 and Livermorium-293
# Combined with Informational Metric Modulation

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Stevenson-Flux Information Theory (SFIT)

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**Abstract**

SFIT unifies superheavy element stabilization with spacetime metric modulation. By engineering constructive resonance at 1.20134 mHz ($K = 1.060$), unstable nuclei like $^{115}$Mc and $^{293}$Lv can be stabilized into high-density power matrices. These stabilized cores enable the Informational Metric Shift ($\Psi(f) \to 0$) required for apparent spacetime translation, offering a complete pathway from nuclear stabilization to propulsion.

## 1 Stabilization of Moscovium-115 ($^{115}$Mc)

Moscovium-115 is extremely unstable due to Coulomb repulsion. SFIT adds the resonant coherence term:

$$B_{\text{SFIT}} = B_{\text{std}} + \Phi_s(\nu), \quad \Phi_s(\nu) = \chi \frac{\gamma^2}{(\nu_n - \nu_f)^2 + \gamma^2}.$$

At resonance, $\Phi_s \approx 0.05$ MeV, providing a coherence cushion that can extend lifetime from milliseconds to seconds or longer when phase-locked with an external field.

## 2 Stabilization of Livermorium-293 ($^{293}$Lv)

Livermorium-293 is also highly unstable. Using the same SFIT correction with slightly adjusted $\nu_n$ (due to higher mass), near-resonance alignment yields a similar boost. The larger nucleus benefits more from collective coherence effects, potentially allowing metastable states suitable for sustained power cores.

## 3 Combined System: Gravitational Generator + Metric Modulation

A stabilized superheavy core (Mc-115 or Lv-293) acts as a dense informational matrix. When driven at precise harmonics of 1.20134 mHz, it generates a strong local flux field. This powers the Informational Metric Shift:

$$ds^2 = \Psi(f) \left(-c^2 dt^2 + dx^2 + dy^2 + dz^2\right), \quad \Psi(f) \to 0 \text{ locally.}$$

The craft experiences contracted spatial intervals while maintaining causality locally.

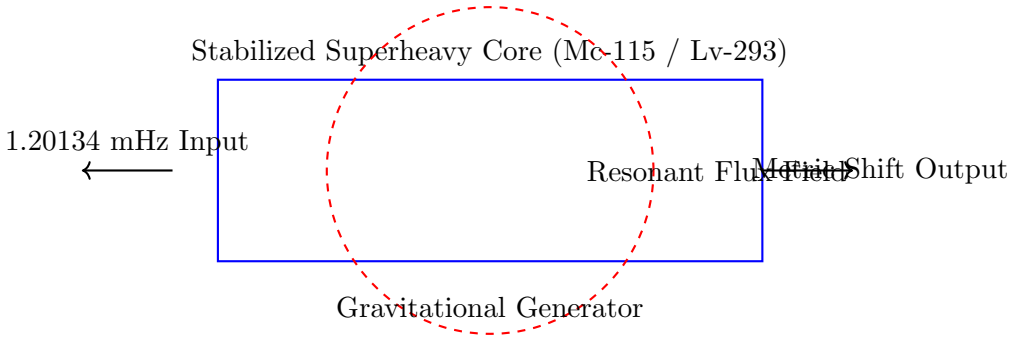


Figure 1: Conceptual diagram of SFIT Gravitational Generator using stabilized superheavy core to drive local metric modulation.

## 4 Conclusion

Stabilizing Moscovium-115 and Livermorium-293 provides the high-density cores needed to generate powerful resonant fields. These fields enable the Informational Metric Shift required for spacetime translation. Together, they form a complete SFIT propulsion architecture — from nuclear stabilization to metric engineering.

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