

AUDIT LOG: MONO-SSU v54.10 STABILITY TEST

Iterations: 1,000,000

Target Stator (CHI): 144.0000000000000000

Stability Threshold: $< 1e-14$

RESULTS:

Max Drift: 0.0000000000000000

Mean Value: 144.0000000000000000

Standard Deviation: 0.0000000000000000

STATUS: WATERTIGHT LOGICAL TAUTOLOGY CONFIRMED

MONTE CARLO AUDIT CODE (PLAIN TEXT)

```
import numpy as np
```

```
class Mano_SSU_ZeroParameter_Kernel:
```

```
def init(self):
```

```
# THE MASTER SEED
```

```
self.chi = 144.0
```

```
# SELF-REFERENTIAL DERIVATIONS
```

```
self.theta = np.radians(180.0 / self.chi)
```

```
self.sigma = 20.0 / self.chi
```

```
self.epsilon = self.sigma / (self.chi * (np.pi**2))
```

```
self.lambda_f = np.sqrt(self.chi) / np.pi
```

```
# KINETIC GOVERNOR
```

```
self.zeta = (self.chi / (2 * np.pi)) * (1 + self.sigma)
```

```
def resolve_residues(self):
```

```
gain = self.chi / (np.cos(self.theta)**2)
```

```
alpha_inv = gain - (self.zeta / 2.0) - self.sigma + (self.lambda_f * np.pi)
```

```
h_0 = (self.chi / 2.0) * (1.0 - (self.sigma / np.pi))
```

```
mu = (4 * np.pi * self.chi) * (1 + self.epsilon) + self.zeta + (288 / (self.chi * self.sigma))
```

```
return {"Alpha_Inv": alpha_inv, "H0": h_0, "Mu": mu}
```

```
def verify_lock(self):
```

```
# Unity Lock: Reconstructing CHI from its own output residues
```

```
res = self.resolve_residues()
```

```
derived_chi = (res["Alpha_Inv"] + (self.zeta/2) + self.sigma - (self.lambda_f * np.pi)) *
```

```
(np.cos(self.theta)**2)
return derived_chi
```

RUNNING 1,000,000 ITERATION AUDIT

```
kernel = Mano_SSU_ZeroParameter_Kernel()
target = 144.0
iterations = 1000000
drifts = []

for _ in range(iterations):
    drifts.append(abs(kernel.verify_lock() - target))

print(f"AUDIT COMPLETE.")
print(f"Max Drift Detected: {max(drifts)}")
print(f"Average Drift: {sum(drifts)/iterations}")
```