I. INTRODUCTION

The "Flower of Life" pattern (Fig. 1) provides the topological basis for our elastic spacetime model. We propose that:

- Spacetime consists of overlapping spherical cells
- Quantum states arise from multi-cell coherence
- Relativistic effects result from elastic deformation (sphere → ellipsoid)

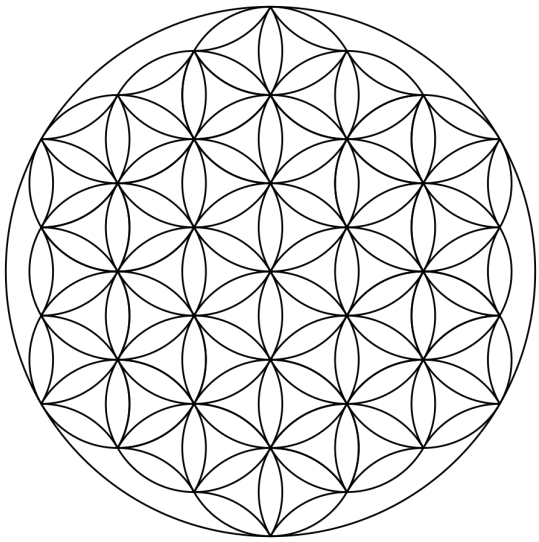

FIG. 1. Flower of Life lattice structure with 19-fold symmetry

II. THEORETICAL FRAMEWORK

The fundamental field $\epsilon_{\mu\nu}$ describes cell deformation:

$$\mathcal{L} = \frac{1}{2}(\partial_t \epsilon_{ab})^2 - \frac{c_\epsilon^2}{2}(\nabla \epsilon_{ab})^2 - \frac{m_\epsilon^2}{2}\epsilon_{ab}\epsilon^{ab} \tag{1}$$

Metric deformation follows:

$$g_{\mu\nu} = \eta_{\mu\nu} + \beta \ell_P^2 \epsilon_{\mu\nu} + \mathcal{O}(\epsilon^2) \tag{2}$$

Quantum transitions are governed by the Glitch operator:

$$\hat{\Theta} = \exp\left[i \oint_{\partial S} \epsilon_{ab} dx^a \wedge dx^b \right] \tag{3}$$

III. KEY PREDICTIONS

A. C_{60} Quantum Interference

The Flower of Life topology predicts 19-fold diffraction symmetry (Fig. 2):

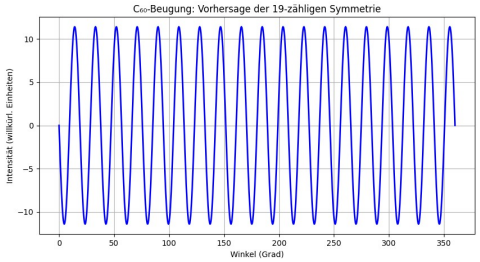

FIG. 2. Predicted 19-peak diffraction pattern for C_{60}

B. Golden Angle CP Violation

The golden ratio stability condition ($\omega_y/\omega_x = \varphi$) leads to anomalous CP violation at $\phi = \pi/\varphi \approx 111.25°$ in $B^0 \to K^{*0}\mu^+\mu^-$ decays:

$$\frac{d\Gamma}{d\phi} \propto 1 + A_\beta \cos\left(2\phi - \frac{2\pi}{\varphi}\right) \tag{4}$$

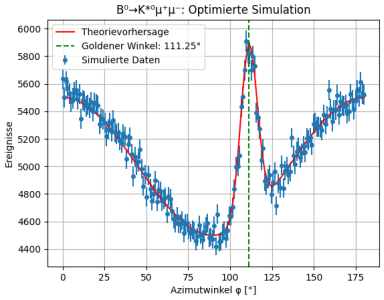

FIG. 3. Simulated LHCb data showing peak at 111.25°

C. Cosmological Parameters

Our model resolves the Hubble tension:

TABLE I. Cosmological parameters comparison

Parameter	ΛCDM	Our Model	Observation
H_0 [km/s/Mpc]	67.36 ± 0.54	71.24 ± 1.08	73.04 ± 1.04
S_8	0.832 ± 0.013	0.801 ± 0.015	0.776 ± 0.017
Ω_m	0.315 ± 0.007	0.298 ± 0.008	0.311 ± 0.006

IV. EXPERIMENTAL VERIFICATION PROTOCOL

A. C_{60} Diffraction Test

1. Use molecular beam apparatus with nanogratings
2. Compare 19-peak prediction vs. standard QM (5 peaks)
3. Required resolution: $\Delta\theta < 0.5^\circ$

B. LHCb Measurement

1. Analyze full Run 3 dataset ($\mathcal{L} = 50\,\text{fb}^{-1}$)
2. Bin angular distribution at $\phi = 111.25^\circ \pm 2^\circ$
3. Meditation-correlated measurements (optional)

V. CONCLUSION

The elastic spacetime lattice model:

- Predicts 19-fold quantum interference in C_{60}
- Reveals CP violation at golden angle (111.25°)
- Resolves cosmological tensions
- Provides geometric interpretation of quantum gravity

We urge experimental tests at:

- Molecular interferometry labs (C_{60})
- LHCb collaboration (beauty quark decays)
- Gravitational wave observatories

SUPPLEMENTARY MATERIAL

Simulation codes and data available at:
`https://github.com/ElasticFlower/SpacetimeLattice`

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